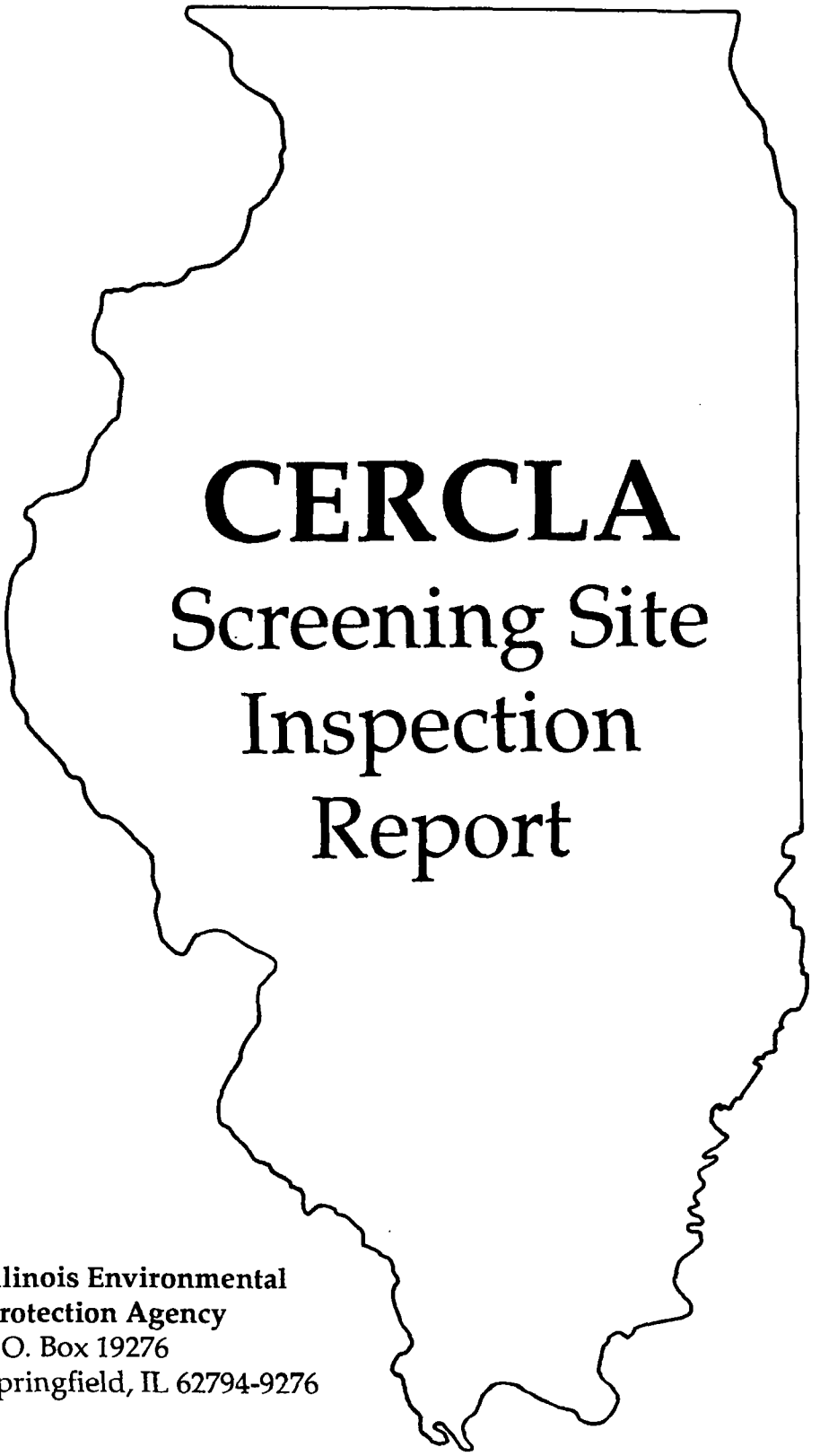

CERCLA
Screening Site Inspection Report

Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, IL 62794-9276

Confidential Material May be Enclosed

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1. INTRODUCTION

Illinois Environmental Protection Agency's Pre-Remedial Unit was tasked by the U.S. Environmental Protection Agency (USEPA) to conduct a screening site inspection of the Celotex Corporation facility.

The site was initially discovered by the USEPA in August of 1987. The site was evaluated in the form of a Preliminary Assessment (PA) that was completed by John Morgan of the Illinois EPA and submitted to USEPA. IEPA's Pre-Remedial Unit prepared a screening site inspection (SSI) work plan for the Celotex Corporation facility that was approved by USEPA. The SSI was conducted on November 20-21, 1989 with the collection of thirteen samples (eight soil and five water).

The purposes of an SSI have been stated by USEPA in a directive outlining Pre-Remedial program strategies. The directive states:

> All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined preliminary HRS [Hazard Ranking System] score, 2) establish priorities among sites most likely to qualify for the NPL [National Priorities List], and 3) identify the most critical data requirements for the listing SI step. A screening SI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP [no further remedial action planned], or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA (Resource Conservation and Recovery Act].... Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.
>
> The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another authority will receive a listing SI (USEPA 1988).

USEPA Region V has also isntructed IEPA to identify sites during the SSI that may require removal action to remediate an immediate human health and/or environmental threat.

2. SITE BACKGROUND

2.1 INTRODUCTION

This section includes information obtained from the SSI work plan preparation.

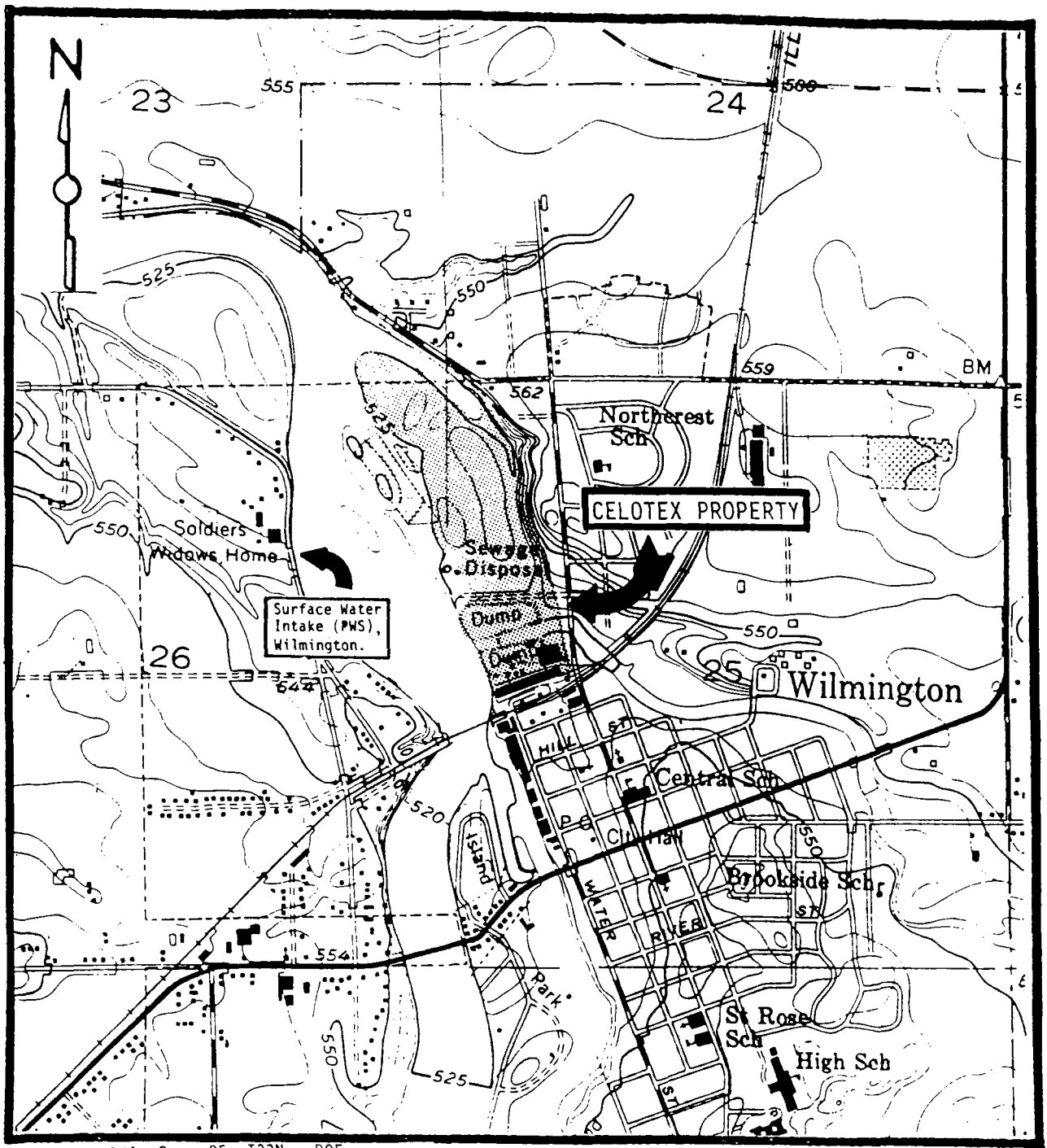
2.2 SITE DESCRIPTION

The Celotex Corporation is an inoperative manufacturing facility located at the intersection of Kankakee and Stewart Street in Wilmington, Illinois. The site is bordered by the Kankakee River to the west and Forked Creek to the south. The property consumes a surface area of approximately 40 acres and consist of two surface depressions, two landfills and several on-site ponds and lowlands that retain water seasonally.

Topographic relief at the site ranges from an elevation of approximately 550 feet along fill areas to 525 feet in flood prone areas adjacent to the Kankakee River (see Figure 2-1). A 4-mile radius groundwater map and surface water route map for the Celotex site area is provided in Appendix A and B, respectively.

2.3 SITE HISTORY

The Celotex Plant in Wilmington, which was previously owned by the Philip Carey Company, operated as a manufacturing facility of asphalt roofing products from approximately 1955 to the early 1980's. The raw materials utilized in the production of roofing shingles consist of sand, asphalt and felt paper. The primary waste generated by this manufacturing process included an off-specification roofing shingle, tar paper and a sludge from the recycling mill. The sludge waste is a by-product from the recycling of rags,



W 1/2, NW 1/4, Sec. 25, T33N - R9E
NE 1/4, NE 1/4, NE 1/4, Sec. 26, T33N - R9E

Will County

SCALE

1 MILE

7000 FEET

1 KILOMETER

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

FIGURE 2-1

wood pulp, paper, and magazines used in the production of felt paper. The waste was then disposed of on Celotex property utilizing two landfill areas and a surface depression. Additional waste that was allegedly disposed of on-site include waste oil and cleanup materials from spills that occurred during the manufacturing process.

On April 20, 1979, IEPA personnel observed a load of waste oil staged next to the surface depression and a stained area which appeared to have already received waste oil from a previous load. On November 14, 1979, a large spill caused by a leaking valve in the process area resulted in the release of 25,000-30,000 gallons of asphalt. According to the Plant Engineer for Celotex, Robert Stout, the asphalt was cleaned up and then taken to the Celotex landfill for disposal.

In 1978 the IEPA began preparing an enforcement case against Celotex as a result of several alleged compliance violations that occurred throughout Celotex's operational history. According to IEPA file records, the complaint alleged that the waste disposal site utilized by Celotex was in violation of operating regulations pursuant to 35 Illinois Administrative Code Section 807. The complaint also stated that IEPA was concerned that the waste may contain potentially hazardous constituents that may threaten the underlying groundwater. Although a chemical analysis of the waste is not available, strong chemical odors from the surface depression area were noted in field reports from inspections conducted by IEPA personnel on February 8, 1978, November 21, 1978, and June 20, 1979. In 1986 and 1987 the Pollution Control Board dismissed all charges against Celotex as a result of the Attorney General failing to comply with discovery orders and inadequate documentation.

3. SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVATIONS

3.1 INTRODUCTION

This section outlines procedures and observations of the SSI at Celotex Corporation in Wilmington, Illinois. Individual subsections address the site representative interview, reconnaissance inspection and sampling procedures. The SSI was conducted in accordance with the USEPA-approved workplan.

The USEPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for Celotex is provided in Appendix C.

3.2 SITE REPRESENTATIVE INTERVIEW

On November 2, 1989 during the site reconnaissance inspection, IEPA personnel conducted an interview with Celotex representatives. The IEPA was represented by John Morgan and Greg Dunn. Celotex was represented by Lecil M. Colburn and Leonard W. Hooper.

Discussion during the interview included the nature of the Pre-remedial CERCLA program, proposed sampling locations and disposal practices utilized by Celotex. Mr. Colburn agreed to the sampling locations discussed and proceeded to accompany us during the site reconnaissance inspection.

3.3 RECONNAISSANCE INSPECTION

On November 2, 1989, John Morgan and Greg Dunn of the Illinois EPA conducted a site reconnaissance inspection at the Celotex site. The inspection included visibly verifying the sample locations, assessing site security and locating additional areas of disposal not identified during the preliminary assessment. The information gathered during the inspection was used to revise the original workplan for better characterization of site conditions.

Reconnaissance Inspection Observations. The 40 acre site is bordered by the Kankakee River on the west and residential areas on the east and northeast. Although a secure fence deterred site entry from the east, the remaining perimeter of the property is accessible.

Within the Celotex property, two landfill areas and two unlined surface depressions were observed. The landfill portion of the property consist of one small disposal area and one larger disposal area that consumes a surface area of approximately 3-4 acres. The smaller landfill measures approximately 500' x 135' x 15' and is bordered by Forked Creek to the south and Stewart Street to the north. Exposed waste material was visible at the surface in each landfill area due to lack of final cover. Both surface depressions are located on the portion of property occupied by the larger landfill. According to Mr. Colburn the surface depression to the west was the primary disposal area for sludge waste generated by the recycling mill. A wooded area bordered by Stewart Street to the south and a lowland area to the north contained several abandoned 55 and 5 gallon containers. Some were empty while others contained a black solidified material. Mr. Colburn indicated he had no knowledge of their contents or origin (see Figure 3-1 and photographs #21, 22).

3.4 SAMPLING PROCEDURES

Samples were collected by IEPA personnel to determine levels of USEPA Target Compound List (TCL) compounds at the site. The TCL is provided in Appendix D.

On November 20-21, 1989, IEPA personnel collected eight soil, three groundwater and two surface water samples (see Figure 3-2). Lecil Colburn and Leonard Hooper, representatives for Celotex, split all on-site samples with IEPA during the SSI.

CELOTEX SITE

3-3

FIGURE 3-1
SITE FEATURES

Soil Sampling Procedures. The eight soil samples were collected to determine the impact past disposal activities at Celotex have had on the surrounding environment. X101 was a composite sample from three locations collected from the west surface depression at a depth of 0-1 feet. X102-D was also collected from the west surface depression at a depth of 8-9 feet. Both soil samples contained a grayish colored material that Mr. Colburn recognized as the sludge generated by the recycling mill. X103 and X104-D were collected from the remaining surface depression located on the east portion of the property. X103 was a soil sample collected from an erosional ditch within the depression at a depth of 0-1 feet. Soil sample X104-D was originally a subsurface boring to be collected from a depth fo 9-10 feet. However, repeated encounters with buried obstacles resulted in the sample being collected from 2-3 feet. Sample X105 was collected at a depth of 0-1 feet from a lowland area adjacent to the south face of the landfill. Sample X106 was collected at 0-1 feet from an area adjacent to a small lagoon located in the wooded area where abandoned drums were discovered. The lagoon contained a black viscous substance that resembled coal tar. X107 was a 0-1 feet soil sample also collected from an area in the vicinity of the abandoned drums. Soil sample X108 was collected as a representative background sample at a depth of 0-1 feet from residential property bordering the site to the east.

The soil samples were collected with stainless steel spoons and augers. All samples were transferred directly into the sample jars and were evidence taped and packaged in accordance with USEPA required procedures.

Groundwater Samples Procedures. Three groundwater samples were collected to determine the impact disposal activities at Celotex are having on the underlying groundwater. Monitor Wells G101, G102 and G103 were sampled during

the SSI. Each well had five well volumes of water purged, with pH, conductivity and temperature measured before purging and prior to sample collection. The wells were purged and sampled with a three foot teflon bailer and nylon cord. Total metals were field filtered with a Masterflex variable speed peristaltic pump. After sample collection, the bottles were dried, preservatives added to the appropriate bottles, evidence taped and packaged in accordance with USEPA approved procedures.

Surface Water Samples Procedures. Sample designation S101 was collected from Forked Creek approximately 30 feet east of the Kankakee River confluence and 8 feet north of the south bank of Forked Creek. S102 was collected as a representative background sample from Forked Creek. The sampling location is on the west side of Kankakee Street upgradient from the landfill operated by Celotex. After sample collection, the bottles were dried, preservatives added to the appropriate bottles, evidence taped and packaged in accordance with USEPA approved procedures. All samples were analyzed for the TCL by Illinois EPA Laboratories in Springfield and Champaign, Illinois.

Decontamination Procedures. Standard Illinois Environmental Protection Agency decontamination procedures were followed prior to the collection of all samples. The procedures included the scrubbing of all equipment with a non-foaming trisodium phosphate solution, rinsing with hot tap water, rinsing with acetone, rinsing with hot tap water again and final rinsed with distilled water. All equipment is air dried, then wrapped and stored in heavy duty aluminum foil for transport to the field.

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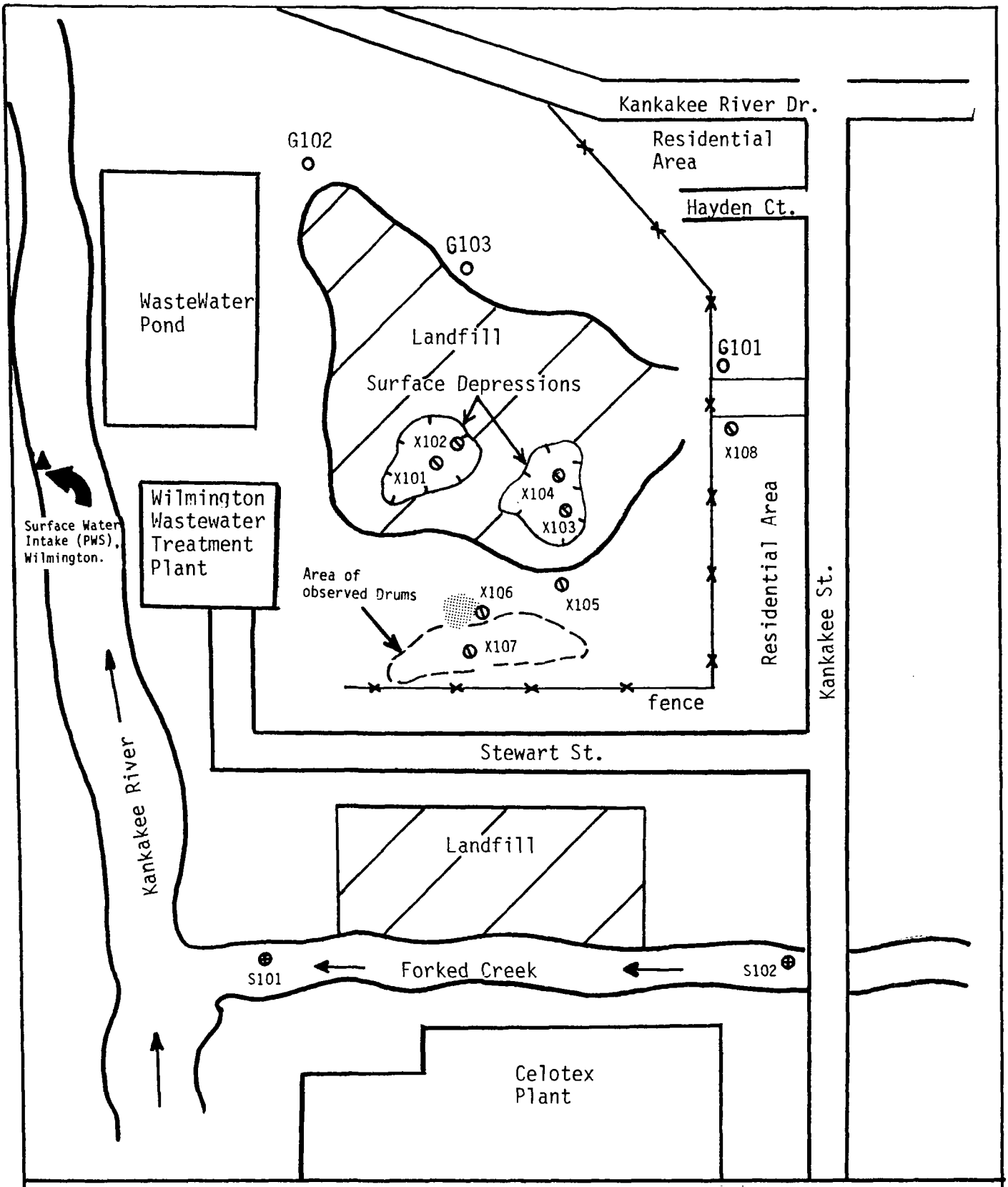


FIGURE 3-2

SITE SAMPLING LOCATIONS

Map not to Scale

Analytical Results

4.1 Introduction

This section includes the analytical results of Target Compound List compounds from IEPA collected samples at the Celotex Corporation landfill. Abbreviations found in the data are defined in 3 pages following the data results.

4.2 Analytical Results from IEPA Collected Samples

Chemical analysis of groundwater samples collected by IEPA personnel revealed the following substances: volatiles, heavy metals, common laboratory artifacts, and common groundwater constituents. Moderate to high levels of Acetone were found in all three monitoring wells with G102 being the most contaminated. All three wells also revealed the presence of heavy metals within the samples. Among many heavy metals found, Arsenic was one that showed unusually high levels. Analysis of soil/sediment samples collected by IEPA personnel revealed the following substances: volatiles, pesticides, semivolatiles, heavy metals, common laboratory artifacts and common soil constituents. The presence of heavy metals was prominant in the soil/sediment samples. High concentrations of Arsenic, Barium, Cadmium, Chromium, Lead, and Zinc where found throughout the results.

GS:pss

Celotex Corporation
ILD 981961634

TABLE 4-1
SUMMARY

SAMPLING POINT	G101	G102	G103	S101	S102	X101	X102D	X103	X104D	X105D	X106	X107	X108
	11-20-89	11-20-89	11-20-89	11-20-89	11-20-89	11-20-89	11-20-89	11-20-89	11-20-89	11-20-89	11-20-89	11-20-89	11-20-89
PARAMETER													
VOLATILES (measured in ppb)													
Methylene Chloride	--	--	--	--	--	--	--	2.00J	2.00J	4.00J	1.00J	--	--
Acetone	15.00B	68.00B	25.00B	--	60.00B	--	--	5.00J	--	44.00J	230.00J	15.00J	--
2-Butanone (MEK)	--	--	--	--	--	--	--	--	--	14.00	56.00	--	--
Toluene	--	--	--	--	--	31.00	400.00J	--	--	--	57.00	--	--
SEMIVOLATILES (ppb)													
Phenol	--	--	--	--	--	430.00J	--	--	--	--	--	--	--
4-Methylphenol	--	--	--	--	--	1100.00J	840.00J	--	--	--	--	--	--
Benzoic acid	--	--	--	--	--	840.00J	--	--	--	--	--	290.00J	--
Naphthalene	--	--	--	--	--	56.00	340.00BJ	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	1400B	--	--	--	--	--	--
Acenaphthene	--	--	--	--	--	140.00J	--	--	--	--	--	--	--
Dibenzofuran	--	--	--	--	--	50.00J	--	--	--	--	--	--	--
Diethylphthalate	--	--	0.40J	0.10J	--	--	--	28.00J	--	--	--	--	--
Fluorene	--	--	--	--	--	78.00J	--	--	--	--	--	--	--
Pentachlorophenol	--	--	--	--	--	140.00J	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	790.00BJ	110.00BJ	75.00BJ	8.00BJ	--	--	99.00BJ	90.00BJ
Anthracene	--	--	--	--	--	2000.00BJ	--	12.00BJ	--	--	--	--	--
Di-n-Butylphthalate	--	--	--	--	--	--	480.00BJ	87.00BJ	7.00BJ	--	--	17.00BJ	13.00BJ
Fluoranthene	--	--	--	--	--	9400.00B	--	100.00BJ	16.00BJ	--	--	150.00BJ	150.00BJ
Pyrene	--	--	--	--	--	7400.00B	--	86.00BJ	24.00BJ	--	12000.00J	210.00BJ	170.00BJ
Butylbenzylphthalate	--	--	--	--	--	--	830J	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	2600.00BJ	--	--	--	--	--	390.00BJ	140.00BJ
Chrysene	--	--	--	--	--	2900.00B	--	--	--	--	--	--	110.00BJ
bis(2-Ethylhexyl)phthalate	1.00J	0.20B	0.80J	--	--	3800.00B	5500B	--	--	55.00BJ	--	--	110.00BJ
Benzo(b)fluoranthene	--	--	--	--	--	930.00J	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	670.00J	--	--	--	--	--	--	--
PESTICIDES (ppb)													
Heptachlor epoxide	--	--	--	--	--	--	--	--	--	--	--	3.50J	--
Dieldrin	--	--	--	--	--	--	4.00J	1.00J	--	--	--	18.00J	--
4,4'-DDE	--	--	--	--	--	--	--	--	--	--	--	--	1.00J
4,4'-DDT	--	--	--	--	--	--	--	--	--	--	--	22.00J	--
gamma-Chlordane	--	--	--	--	--	--	--	--	--	--	--	7.00J	--
Aroclor-1260	--	--	--	--	--	550.00J	--	--	--	--	--	--	--
INORGANICS (ppm)													
Aluminum	--	--	80.00B	175.00	162.00	8000.00	4200.00	6300.00	16600.00	5200.00	1470.00	8400.00	3200.00
Antimony	--	--	--	--	--	4.60	1.2	--	0.60B	--	--	0.60B	--
Arsenic	3.00B	--	51.00	--	--	1.70B	0.9B	2.20	8.60	3.50	1.8	11.00	3.00
Barium	260.00	47.00B	690.00	43.00B	43.00B	200.00	74.00	66.00	170.00	61.00	22.00B	98.00	74.00
Beryllium	--	--	--	--	--	--	--	0.50B	1.40	0.50	0.30B	0.80B	0.41B
Cadmium	--	--	2.00B	--	15.00B	--	--	3.60	9.30	3.00	0.80B	7.60	1.70
Calcium	155000.00	115000.00B	110000.00B	99000.00	98000.00	20700.00	4600.00	11200.00	34900.00	3640.00	3900.00	18700.00	4100.00
Chromium	8.00B	5.60B	8.00B	6.00B	5.80B	33.00	16.00	16.00	26.00	8.90	3.60	18.00	4.70
Cobalt	2.40B	1.80B	10.00	2.80	3.20B	2.10B	--	--	14.00	4.90B	0.90B	7.90B	3.00B
Copper	--	2.00B	--	2.40B	2.40B	120.00	45.00	14.00	51.00	10.00B	7.40	32.00	7.70
Iron	13500.00	336.00B	14000.00B	317.00	313.00	4900.00	3000.00	12600.00	32600.00	13500.00	3100.00	24700.00	6700.00
Lead	1.00B	--	--	--	--	150.00	56.00	32.00	65.00	13.00	20.00	85.00	45.00
Magnesium	68000.00	45700.00	67000.00B	41000.00	41000.00	2200.00B	1160.00B	6900.00B	12800.00	13000.00	1790.00	6700.00	1500.00
Manganese	187.00	4.60B	220.00B	15.00B	15.00B	500.00	150.00	370.00	1100.00	580.00	44.00	600.00	370.00
Mercury	--	--	--	--	--	0.16	0.17	--	0.15	0.11	--	0.14	.02B
Nickel	--	--	27.00B	--	--	7.10B	2.9B	11.00	29.00	10.00	12.00	34.00	5.80B
Potassium	29000.00	380.00B	4300.00B	1300.00B	1300.00B	--	--	680.00B	1500.00	320.00B	120.00B	1100.00B	550.00B
Silver	--	--	--	--	2.30	--	--	--	--	--	--	--	--
Sodium	19000.00	128000.00B	89000.00	11000.00	11000.00	390.00	1000B	230.00B	160.00	150.00B	--	--	--
Thallium	--	--	--	--	--	--	--	--	0.30	--	--	--	--
Vanadium	--	--	--	--	--	11.00B	7.7B	16.00	36.00	9.50B	19.00	22.00	8.70B
Zinc	12.00B	--	--	--	--	570.00	140.00	71.00	250.00	51.00	58.00	250.00	58.00
Cyanide	--	--	--	--	--	43.00	10.6	--	--	--	--	--	--
Sulfate	219000.00	68000.00B	36000.00B	85000.00	88000.00	--	--	--	--	--	--	--	--

-- indicates compound was analyzed but not detected.

U.S.E.P.A. DEFINED DATA QUALIFIERS

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• U	Compound was tested for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For soil samples subjected to GPC clean-up procedures, the CRQL is also multiplied by two, to account for the fact that only half of the extract is recovered.	Analyte was analyzed for but not detected.
• J	Estimated value. Used when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria and the result is less than the sample quantitation limit but greater than zero. Used in data validation when the quality control data indicate that a value may not be accurate.	Estimated value. Used in data validation when the quality control data indicate that a value may not be accurate.
• C	This flag applies to pesticide results where the identification is confirmed by GC/MS.	Method qualifier indicates analysis by the Manual Spectrophotometric method.
• B	Analyte was found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action	The reported value is less than the CRDL but greater than the instrument detection limit (IDL).
• D	Identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values are flagged with the "D" flag.	not used

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• E	Identifies compounds whose concentrations exceed the calibration range for that specific analysis. All extracts containing compounds exceeding the calibration range must be diluted and analyzed again. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses must be reported on separate Forms I. The Form I for the diluted sample must have the "DL" suffix appended to the sample number.	The reported value is estimated because of the presence of interference
• A	This flag indicates that a TIC is a suspected aldol concentration product formed by the reaction of the solvents used to process the sample in the laboratory.	Method qualifier indicates analysis by Flame Atomic Absorption (AA).
• M	not used	Duplicate injection (a QC parameter) not met.
• N	not used	Spiked sample (a QC parameter) recovery not within control limits.
• S	not used	The reported value was determined by the Method of Standard Additions (MSA).
• W	not used	Post digestion spike for Furnace AA analysis (a QC parameter) is out of control limits of 85% to 115% recovery, while sample absorbance is less than 50% of spike absorbance.
• *	not used	Duplicate analysis (a QC parameter) not within control limits.
• +	not used	Correlation coefficient for MSA (a QC parameter) is less than 0.995.

QUALIFIER	DEFINITION ORGANICS	DEFINITION INORGANICS
• P	not used	Method qualifier indicates analysis by ICP (Inductively Coupled Plasma) Spectroscopy.
• CV	not used	Method qualifier indicates analysis by Cold Vapor AA.
• AV	not used	Method qualifier indicates analysis by Automated Cold Vapor AA
• AS	not used	Method qualifier indicates analysis by Semi-Automated Cold Spectrophotometry.
• T	not used	Method qualifier indicates Titrimetric analysis.
• NR	The analyte was not required to be analyzed.	The analyte was not required to be analyzed.
• R	Rejected data. The QC parameters indicate that the data is not usable for any purpose.	Rejected data. The QC parameters indicate that the data is not usable for any purpose.

5.1 Introduction

This section includes data and information that is of importance to potential migration pathways and targets of TCL compounds that may be in association with the Celotex Corporation Landfill.

Three migration pathways of concern are groundwater, surface water, and on-site exposure.

5.2 Groundwater

Groundwater samples were collected from monitoring wells on November 20th and 21st. The potential exists for contaminants to migrate to private wells and the Kankakee River based on results indicating contaminants in the downgradient monitoring well G103 (Arsenic at 51 ppb.).

Well logs of the area indicate the soils of the unsaturated zone are primarily sands and gravels, with specific areas containing some clay. Underlying the glacial-drift is the Ft. Atkinson Limestone and Scales shales, and the Galena and Platteville Groups.

Wilmington previously obtained water from area public wells, but recently switched to a surface water intake on the Kankakee River. Private wells within four miles obtain water from sand and gravel deposits (from approximately 15 feet deep to 80 feet deep) or from the Siluvian Dolomite at varying depths (Approximately 150 to 700 feet deep). About 307 wells (serving 945 people) use the shallow aquifer and 5 wells (serving 775 people) use the Dolomite aquifer. Between the two aquifers is a consistancy of blue shale and blue clays which serve as a confining layer separating the aquifers. The aquifer of concern is the shallow sand and gravel deposits.

The nearest private well, as determined by well logs, is approximately 2000 feet from the site and the closest public well is approximately 1 mile from the site at Riverside (serving 25 people).

5.3 Surface Water

Two surface water samples were collected during the November 20th and 21st SSI at the Celotex Corporation Landfill. The potential exists for contaminants to migrate to Forked Creek due to its proximity to the Celotex Landfill. Forked Creek enters directly into the Kankakee River, which is also near the Celotex facility. The Kankakee River flows approximately 19 miles in will County with a maximum depth of 18 feet. The river varies in width from 200 to 800 feet and has an average discharge of 1,988 cubic feet per second. The town of Wilmington has one surface water intake on the river (as of 1989) and is approximately 2500 feet downstrean from the Celotex facility.

Chemical analysis revealed no documented release of contaminants. Results presented common laboratory artifacts and common surface water constituents.

5.4 Air

No documented releases to the air were observed during the SSI. A photo-ionization detector (HNU) with an 11.7 eV lamp was used to screen the area for contaminants. The HNU was used during soil boring procedures and at various locations throughout the Celotex landfill. The detector was also used to take readings during removal of monitoring well caps to screen for contaminants.

5.5 On-Site Exposure

Soil samples taken during the SSI indicate a potential for direct contact with contaminants. Disposal or storage of contaminants indicate that portions were poured into depressions throughout the property, while others were placed on the property in barrels, cans, and damaged containers. This potential is based on analytical results indicating soil/sediment contamination in samples X101 (Chromium 33 ppm) X102 (Copper 45 ppm) X104D (Iron 32600 ppm, Magnesium 12800 ppm, Copper 51 ppm, Cadmium 9.3 ppm, Aluminum 16600 ppm) and X107 (Nickel 34 ppm).

Access to the site varied throughout the area. A partial fence served as a good boundary at the front and sides of the facility, but rear entrance to the site proved easily accessible.

Approximately 4500 people live within a 1 mile radius of the site. This was obtained from the USGS topographic maps of the area, the 3.07 persons-per-household average determined by the U.S. Census Bureau, and the population of the City of Wilmington.

GS:jas/3054n,63-65

6. BIBLIOGRAPHY

Illinois Department of Energy and Natural Resources, Illinois State Water Survey, well records for Winnebago County.

Illinois Environmental Protection Agency, 1988, Potential Hazardous Waste Site Preliminary Assessment for Rexnord Inc., Rockford Products Plant #3, ILD005212097.

Illinois Environmental Protection Agency, Division of Public Water Supplies, Rockford Public Water Well Files.

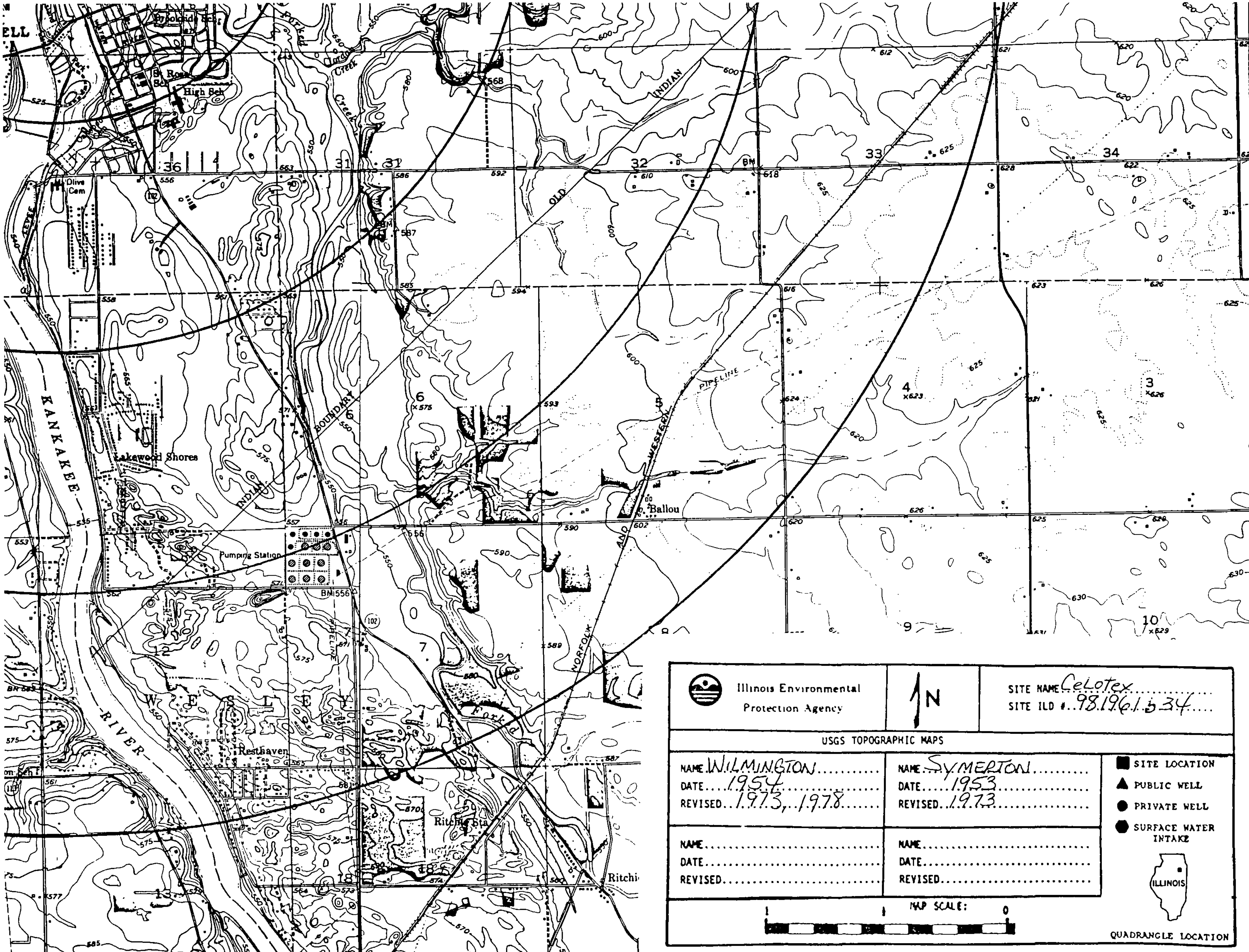
USEPA, Office of Solid Waste and Emergency Response, February 12, 1988, Pre-Remedial Strategy for Implementing SARA, Directive Number 9345.2-01, Washington, D.C.

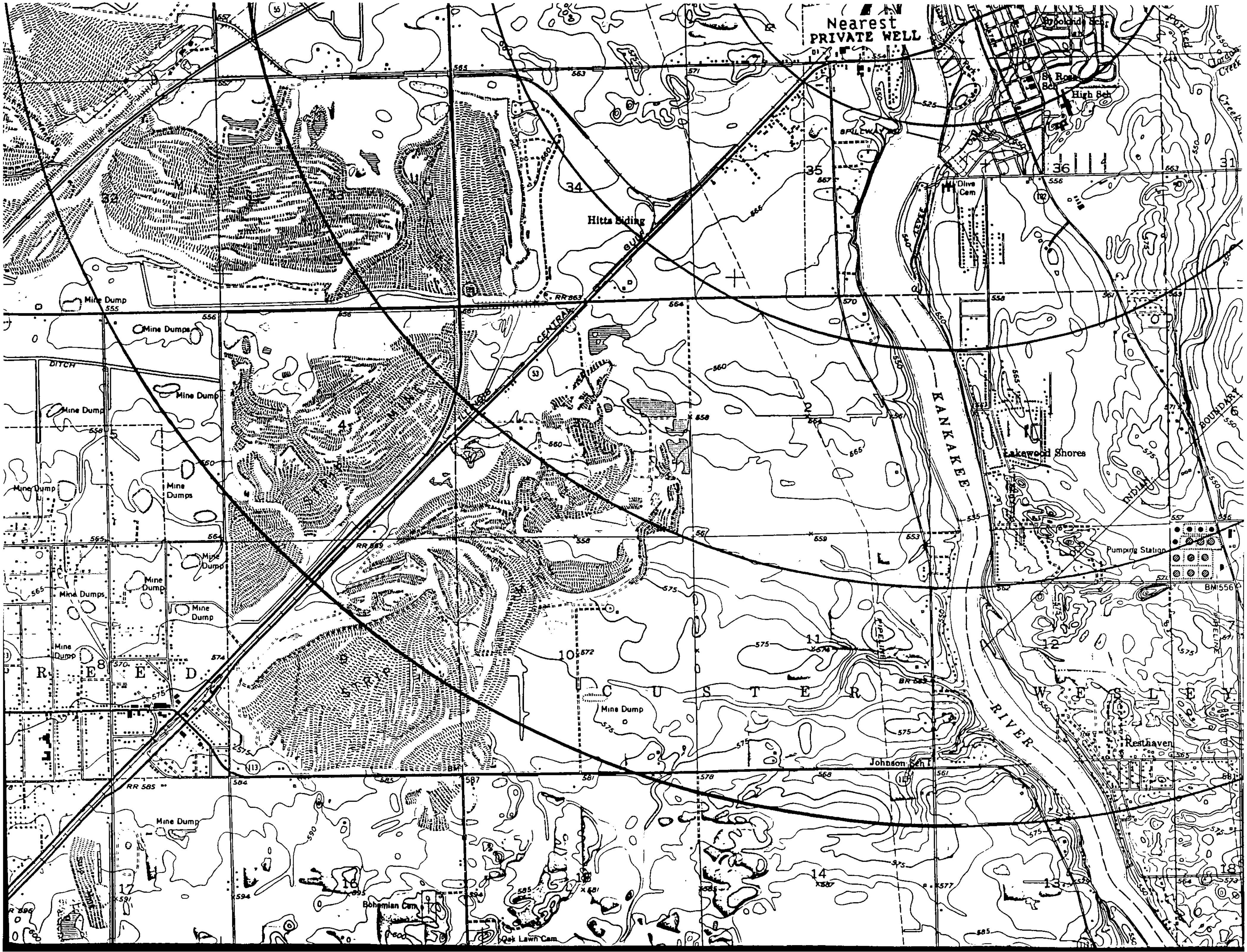
USGS, Topographic Maps, Wilmington Quadrangle 1978, Symerton Quadrangle 1973, Illinois, 7.5 Minute Series.

Wilmington Mayor (Robert Weidling), Telephone conversation relative to Wilmington's Public Water Supply being switched from groundwater to surface water.

APPENDIX A

GROUNDWATER 4-MILE RADIUS MAP


Illinois Environmental Protection Agency
N
SITE NAME Celotex
SITE ILD # 981961534
USGS TOPOGRAPHIC MAPS
NAME WILMINGTON
DATE 1954
REVISED 1973, 1978
NAME SYMERTON
DATE 1953
REVISED 1973
NAME
DATE
REVISED
NAME
DATE
REVISED
SITE LOCATION
PUBLIC WELL
PRIVATE WELL
SURFACE WATER INTAKE
ILLINOIS
QUADRANGLE LOCATION
MAP SCALE:
KANKAKEE
RIVER
WESLEY
Lakewood Shores
Pumping Station
Resthaven
Ballou
Ritchie Sta
Olive Cem
High Sch
INDIAN
OLD
BOUNDARY
PIPELINE
WESTERN
AND
NORFOLK
Forked
Creek



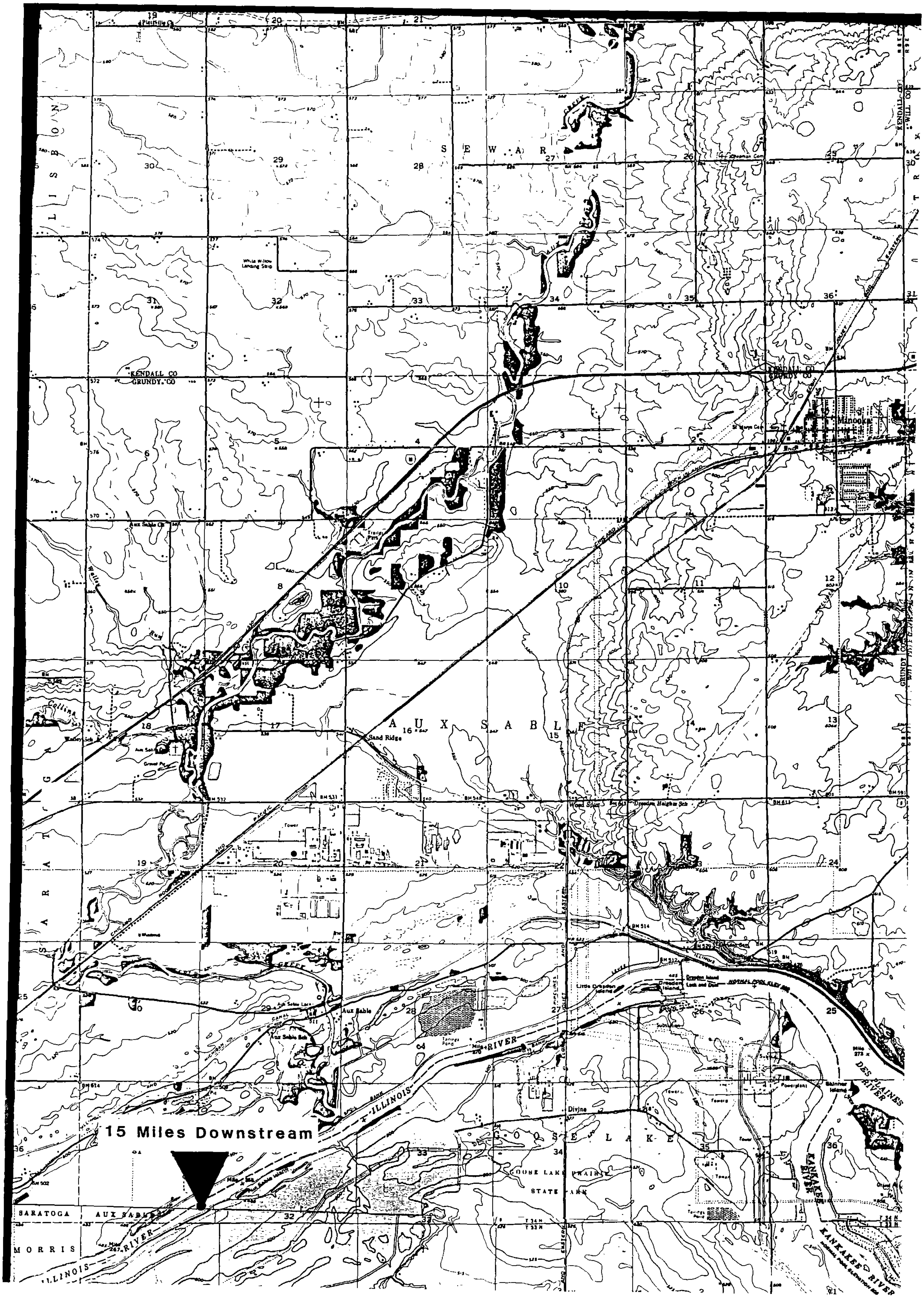
Nearest
PRIVATE WELL
Hitts Siding
Mine Dump
Mine Dumps
Mine Dump
Mine Dump
Mine Dumps
Mine Dump
Mine Dump
Mine Dumps
Mine Dump
Mine Dump
Mine Dump
Mine Dump
Mine Dump
Mine Dump
DITCH
KANKAKEE
RIVER
Lakewood Shores
Pumping Station
Resthaven
Johnson Sch
Bohemian Cem
Oak Lawn Cem
Olive Cem
High Sch
INDIAN
BOUNDARY
R E E D
C U S T E R
W E S L E Y
PIPELINE


DES PLAINES WILDLIFE
CONSERVATION AREA
KANKAKEE
Island
Kankakee
Grant Creek
Gravel Pit
Prairie Creek
PIPELINE
JOLIET ARSENAL
U.S. GOVERNMENT
Webster Siding
BM 570
SANTA FE
Lorenzo
RIVER
Prairie
TOPEKA AND SANTA FE
ILLINOIS CENTRAL
WILMINGTON
GULF
ILLINOIS CENTRAL
Northeast
Nearest

U.S. GOVERNMENT RAILROAD
Kemery Lake
Creek
Prairie
ARSENAL
JOLIET ARSENAL
Webster Siding
RR
Gravel Pit
BM 570
Reservoir
Well
Tank
FLORENCE
Chicago Road Cem
SPOIL BANK
ILLINOIS
CENTRAL
GULF
2 LANE
Creek
Nearest

APPENDIX B

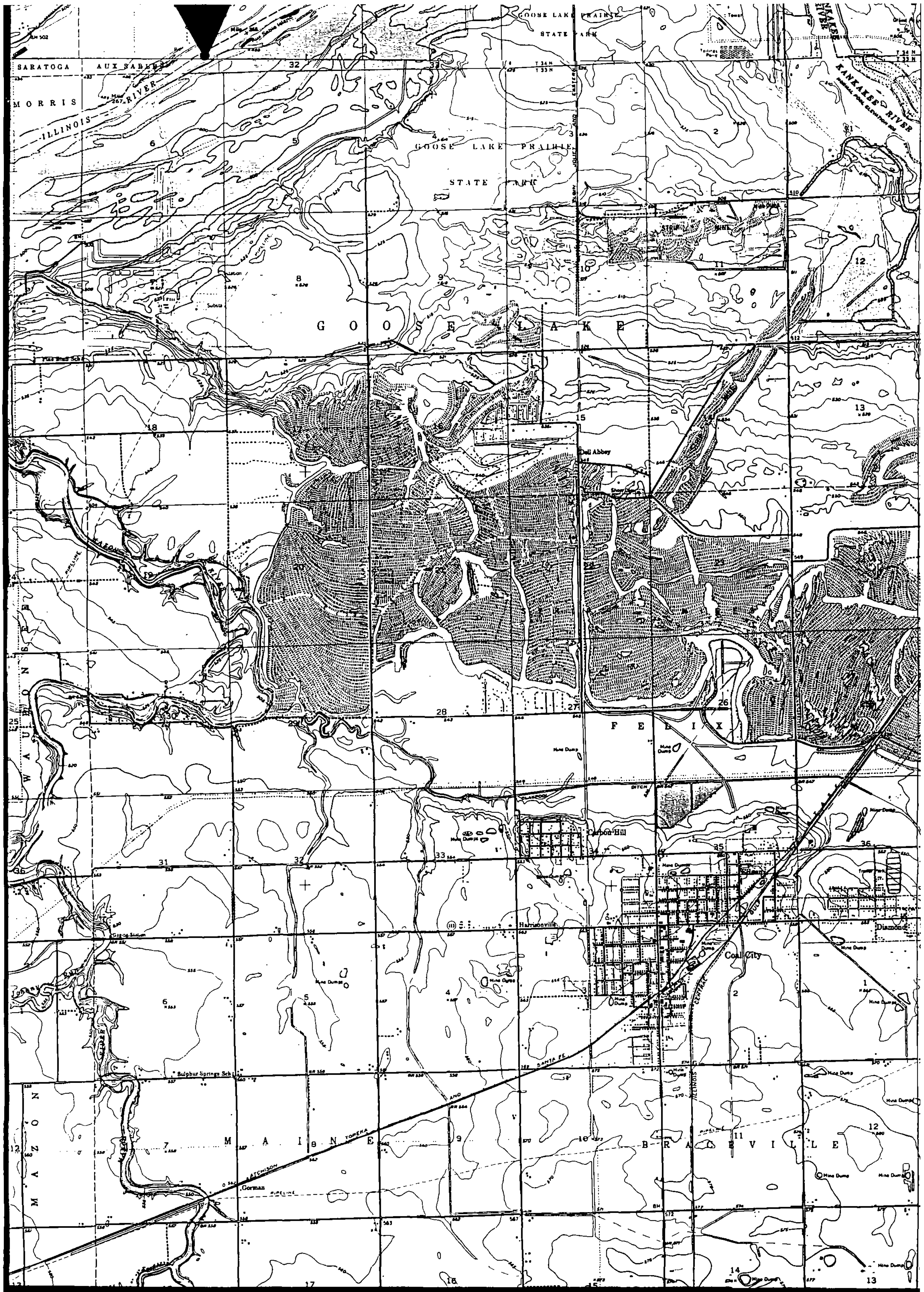
SURFACE WATER ROUTE MAP



15 Miles Downstream
S E W A R D
A U X S A B L E
G O O S E L A K E
KENDALL CO
GRUNDY CO
Minooka
Sand Ridge
Aux Sable
ILLINOIS RIVER
DES PLAINES RIVER
KANKAKEE RIVER
GOOSE LAKE PRAIRIE
STATE PARK
SARATOGA
AUX SABLE
MORRIS
Dresden Island
Divine

DES PLAINES
RIVER
Channahon
C H A N N A H O N
DES PLAINES
RIVER
DES PLAINES WILDLIFE
CONSERVATION AREA
Drummond
J O L I E T
A R S E N A L
Blodgett
Grant Creek Cut-Off
Grant
Creek
DU PAGE
Pumping Sta
Gravel Pit
NORMAL POOL ELEV 506


Celotex Corporation facility.
Surface Water Intake (PWS), Wilmington.
DES PLAINES WILDLIFE
CONSERVATION AREA
KANKAKEE
RIVER
W I L M I N G T O N
Bardwell Island
Wilmington
Hitts Siding
Braidwood
Lakewood Shores
KANKAKEE RIVER


GOOSE LAKE PRAIRIE
STATE PARK
SARATOGA
AUX SABLE
MORRIS
ILLINOIS RIVER
KANKAKEE RIVER
T 34 N
T 33 N
GOOSE LAKE PRAIRIE
STATE PARK
G O O S E L A K E
Dell Abbey
F E L I X
DITCH
Mine Dump
Carbon Hill
Harrisonville
Coal City
Diamond
W A U P O N S E E
Sulphur Springs Sch
SANTA FE
ATCHISON
TOPEKA
AND
M A I N E
B R A C E V I L L E
ILLINOIS
CENTRAL
PIPELINE
M A Z O N
Gorman

APPENDIX C

USEPA FORM 2070-13

Site Inspection Report

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	981961634

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Celotex	Kankakee & Stewart St

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Wilmington	IL	60411	Will	197	15

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
41 18 50.0	088 09 30.0	X A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
11 20 89 (MONTH DAY YEAR)	☐ ACTIVE X INACTIVE	MID 1950's (BEGINNING YEAR) MID 1980's (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR _____ (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
X E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
JOHN W. MORGAN	EPS	IEPA	(217) 782-6760
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Greg Dunn	EPS	IEPA	(217) 782-6760
Tim Murphy	EPS	IEPA	(217) 782-6760
Karen Retefish	EPS	IEPA	(217) 782-6760
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
Lecil M. Colburn	ENV. Director	1500 N. Dale Mabry	(813) 871-4369
Leonard W. Hooper	Plant Manager	2800 S. Sacramento Ave	(312) 247-4300
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
X PERMISSION ☐ WARRANT	8:30 AM	Clear, cool, windy

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Lecil M. Colburn	Jim Walter Corp	(813) 871-4369

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
John Morgan	IEPA	RPMS	(217) 782-6760	1 9 90 (MONTH DAY YEAR)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	980961634

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [x] A. SOLID
- [ ] B. POWDER, FINES
- [x] C. SLUDGE
- [ ] D. OTHER _____ (Specify)
- [ ] E. SLURRY
- [x] F. LIQUID
- [ ] G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____

CUBIC YARDS _____

NO. OF DRUMS Unknown

03 WASTE CHARACTERISTICS (Check all that apply)

- [x] A. TOXIC
- [ ] B. CORROSIVE
- [ ] C. RADIOACTIVE
- [x] D. PERSISTENT
- [ ] E. SOLUBLE
- [ ] F. INFECTIOUS
- [ ] G. FLAMMABLE
- [ ] H. IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J. EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L. INCOMPATIBLE
- [ ] M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			SEE TABLE 4-1 IN Executive Summary For Analytical Results Summary
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
			SEE TABLE 4-1		

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

SEE TABLE 4-1, Executive Summary

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: ILD | 02 SITE NUMBER: 981961634

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A GROUNDWATER CONTAMINATION | 02 [ ] OBSERVED (DATE _____) | [ ] POTENTIAL | [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 945-1695 | 04 NARRATIVE DESCRIPTION
SHOULD A release TO GROUNDWATER Be Documented, the SITE IS underlain by a SAND AND GRAVEL ALLUVIAL deposit WITH a WATER TABLE Depth of Approximately 7 Feet (WELL G102, 11-20-39). THIS section is underlain by a non-continuous section of Silurian Dolomite, Followed the MAQUOKETA OF the Ordovician. Well records INDICATE that all three Geologic Formations are used FOR drinking WATER within a 4-mile radius of the site SEE TABLE 4-1 FOR SAMPLE results.

01 [X] B SURFACE WATER CONTAMINATION | 02 [ ] OBSERVED (DATE _____) | [ ] POTENTIAL | [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 4600 | 04 NARRATIVE DESCRIPTION
The Celotex property is bordered by the KANKAKEE River on the WEST AND Forked Creek on the South. SURFACE water run-off and Flooding conditions are expected to be the primary mechanism FOR transportation OF contaminants to SURFACE WATER. Wilmington Constructed a SURFACE WATER INTAKE directly across FROM the SITE in the KANKAKEE River. SEE TABLE 4-1 FOR ANALYTICAL results of samples collected From site.

01 [X] C CONTAMINATION OF AIR | 02 [ ] OBSERVED (DATE _____) | [ ] POTENTIAL | [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ | 04 NARRATIVE DESCRIPTION
An Air release at the site is not likely due to the highly vegetative nature of the site.

01 [ ] D FIRE EXPLOSIVE CONDITIONS | 02 [ ] OBSERVED (DATE _____) | [ ] POTENTIAL | [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ | 04 NARRATIVE DESCRIPTION
None observed or Documented

01 [X] E DIRECT CONTACT | 02 [ ] OBSERVED (DATE _____) | [X] POTENTIAL | [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ | 04 NARRATIVE DESCRIPTION
The site is not competely surrounded by a fence to prevent site access. A residential area borders the site on the east. Bicycle trails and motorcycle parts were observed on the property during the SSI

01 [X] F CONTAMINATION OF SOIL | 02 [ ] OBSERVED (DATE _____) | [ ] POTENTIAL | [ ] ALLEGED
03 AREA POTENTIALLY AFFECTED: 40 acres (Acres) | 04 NARRATIVE DESCRIPTION
Approximate area of site is 40 acres.

01 [X] G DRINKING WATER CONTAMINATION | 02 [ ] OBSERVED (DATE _____) | [ ] POTENTIAL | [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ | 04 NARRATIVE DESCRIPTION
SEE PART 3, section II, A and B above For this section

01 [ ] H WORKER EXPOSURE/INJURY | 02 [ ] OBSERVED (DATE _____) | [ ] POTENTIAL | [ ] ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ | 04 NARRATIVE DESCRIPTION
None observed or Documented

01 [X] I POPULATION EXPOSURE/INJURY | 02 [ ] OBSERVED (DATE _____) | [X] POTENTIAL | [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ | 04 NARRATIVE DESCRIPTION
SEE PART 3, section II, E above

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: ILD | 02 SITE NUMBER: 9819616 34

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 X J DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
NONE observed or Documented

01 ☐ K DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include names of species)
NONE observed or Documented

01 ☐ L CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
NONE observed or Documented

01 X M UNSTABLE CONTAINMENT OF WASTES (Spills, Runoff, Standing liquids, Leaking drums) — 02 X OBSERVED (DATE 11-20-89) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION
UNLINED surface depressions USED For Disposal. Two landfill Areas that have not received proper FINAL cover with exposed refuse at surface. AND a small pit area that contains a tar-like liquid and abandoned rusty Drums.

01 X N DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
NONE observed or Documented

01 ☐ O CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
None observed or Documented

01 X P ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
IEPA claims Celotex operated their landfill without the proper permit and was in violation of operating requirements pursuant to 35 Illinois Adm. Code Section 807

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: 6295 (4600+1695)

IV. COMMENTS
SEE executive Summary For complete Details of Site.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)
Illinois EPA, Division of LAND Files
Illinois EPA, Division of Public Water Supply Files
Illinois State Water Survey, well records
Geologic Map of Illinois

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	981961634

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
☐ H. LOCAL (Specify)				
☐ I. OTHER (Specify)				
☒ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT	Two	—
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND	several	5gal-55gal
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL	Two	3-4 Acres
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☒ I. OTHER (Specify)	TAR-like pit	

04 TREATMENT (Check all that apply)

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER

- ☐ A. BUILDINGS ON SITE

06 AREA OF SITE

40 (Acres)

07 COMMENTS

(SEE Section 2, PART 2.2, page 2-1 For Site Description
(SEE Section 3.3 PART 3.3 page 3-2
OF Executive Summary portion of Report

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

The surface impressions used for Disposal have no liners. The LANDFILL has no liner AND has received FINAL cover. Drum are left abandoned on site in poor condition

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☒ YES ☐ NO

02 COMMENTS

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

Illinois EPA, Division of LAND

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: ILD | 02 SITE NUMBER: 981961634

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A. ☒	B. ☐
NON-COMMUNITY	C. ☐	D. ☒

02 STATUS: No records

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ☐	E. ☐	F. ☐

03 DISTANCE TO SITE
A. < 1/4 (mi)
B. < 1 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☒ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER: 1695

03 DISTANCE TO NEAREST DRINKING WATER WELL: < 1 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
7 (ft)	Seasonally VARIES	7 (ft)	UNKNOWN (gpd)	☐ YES ☒ NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)

The City of Wilmington has 2 wells used as an alternative water supply at a depth of 700'-1578' located approximately ½ mile south of the site. Although the City of Wilmington currently relies on surface water a drinking source, an estimated 1695 people still relie on groundwater from various depths.

10 RECHARGE AREA		11 DISCHARGE AREA	
☒ YES ☐ NO	COMMENTS: INFiltration of parcipitation AND the KANKAKEE River Seasonally	☒ YES ☐ NO	COMMENTS: underlying Formations AND KANKAKEE River se

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
KANKAKEE River	☐	500 ft (mi)
Fork Creek	☐	5 ft (mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 4600 NO. OF PERSONS	B. 6,000 - 7,000 NO. OF PERSONS	C. 7 - 19,000 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: < 500 ft (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE: City of Wilmington

04 DISTANCE TO NEAREST OFF-SITE BUILDING: < 500 ft (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Celotex is located within the City of Wilmington (pop: 4,600). A residential area borders the site to the east

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	981961634

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☒ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☒ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH
< 60 (ft)	UNKNOWN (ft)	UNKNOWN

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
32 (in)	2.5 (in)	> 8 %	to the WEST	> 8 %

09 FLOOD POTENTIAL

SITE IS IN 100 YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A. N/A (mi) OTHER: B. N/A (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

_____ (mi)

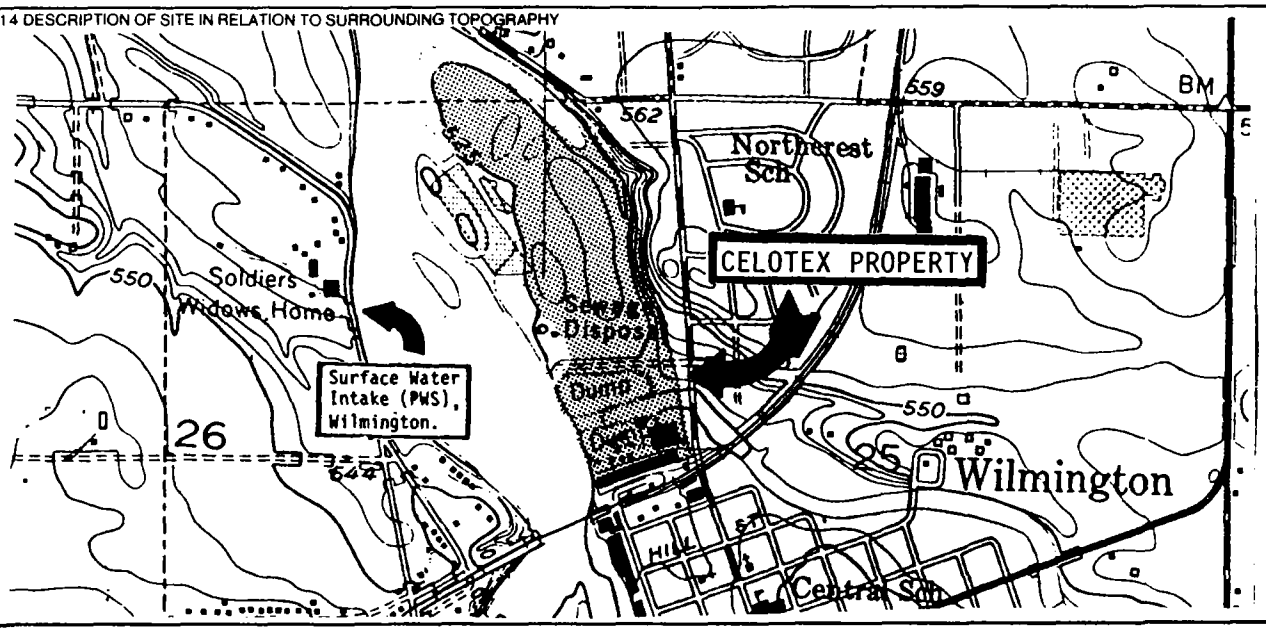
ENDANGERED SPECIES: N/A

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. 500 ft (mi)	B. < 100 ft (mi)	C. < 1 (mi)	D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY



VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Illinois EPA, Division of LAND
Illinois State Water Survey, well records
USGS Topographic Map, Wilmington Quadrangle 7.5 Min. Series

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	981961634

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	3	IEPA LAB IN Springfield	1-30-90
SURFACE WATER	2	AND Champaign	
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL	8		
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
HNu	No readings ABOVE BACKgrOUND

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☒ GROUND ☒ AERIAL

02 IN CUSTODY OF Illinois EPA (Name of organization or individual)

03 MAPS ☐ YES ☐ NO

04 LOCATION OF MAPS

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

WELL	ph	CONDUCTIVITY (umhos)	TEMP
G101	6.3	3.4 X 1000	54.4
G102	9.75	1.2 X 1000	55.1°
G103	6.53	1.5 X 1000	55.3

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Illinois EPA, Site Inspection Report, Celotex, CONDUCTED ON 11-20-89,

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	981961634

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
Celotex	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
Kankakee St	

05 CITY	06 STATE	07 ZIP CODE
Wilmington	IL	60411

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

IEPA, Division of LAND Files, Celotex

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
DE	981961634

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED 04 DESCRIPTION N/A	02 DATE	03 AGENCY
01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ L. ENCAPSULATION 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE	03 AGENCY

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	981961634

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
Celotex		Jim Walter Corp.	

03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P O Box, RFD #, etc.)	11 SIC CODE
Kankakee St		P.O. Box 31075	

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
Wilmington	IL	60411	Tampa	FL	33631

PARENT COMPANY *(If applicable)*

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P O Box, RFD #, etc.)	11 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	12 CITY	13 STATE / 14 ZIP CODE
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P O Box, RFD #, etc.)	11 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	12 CITY	13 STATE / 14 ZIP CODE
01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P O Box, RFD #, etc.)	11 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	12 CITY	13 STATE / 14 ZIP CODE

III. PREVIOUS OWNER(S) *(List most recent first)* / IV. REALTY OWNER(S) *(If applicable; list most recent first)*

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P O Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

Illinois EPA, Division of Land, Celotex File

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
FLD	980961634

II. CURRENT OPERATOR *(Provide if different from owner)*

01 NAME	02 D+B NUMBER
SAME AS PART 7	

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY *(If applicable)*

10 NAME	11 D+B NUMBER

12 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) *(List most recent first; provide only if different from owner)*

01 NAME	02 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES *(If applicable)*

10 NAME	11 D+B NUMBER

12 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

01 NAME	02 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

01 NAME	02 D+B NUMBER

03 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS *(P.O. Box, RFD #, etc.)*	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

IV. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

N/A

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	981961634

II PAST RESPONSE ACTIVITIES *(Continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
N/A

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

N/A

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	981961634

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION [X] YES [ ] NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

Illinois EPA Filed an enforcement complaint against Celotex in 1978. The complaint alleged the Celotex was operating without a permit and in violation of operating regulation pursuant to 35 Illinois Administrative Code Section 807. The Complaint also stated that IEPA was Concerned that the waste on-site may contain hazardous constituents that may threaten the underlying groundwater. The IEPA attorney most familar with the case is Don Gimbel in the Maywood office. The Attorney General's office represented the IEPA during the case

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

Illinois EPA, Division of Land, Celotex File
Don Gimbel, IEPA Attorney, Maywood office

EPA FORM 2070-13 (7-81)

APPENDIX D

TARGET COMPOUND LIST

TARGET COMPOUND LIST

Volatile Target Compounds

Compound	Water CRDL	Soil/Solid CRDL
1. chloromethane	10 ug/l	10 ug/kg
2. bromomethane	10	10
3. vinyl chloride	10	10
4. chloroethane	10	10
5. methylene chloride	5	5
6. acetone	10	10
7. carbon disulfide	5	5
8. 1,1-dichloroethene	5	5
9. 1,1-dichloroethane	5	5
10. t-1.2-dichloroethene	5	5
11. 1,2-dichloropropane	5	5
12. chloroform	5	5
13. 1,2-dichloroethane	5	5
14. 2-butanone	10	10
15. 1,1,1-trichloroethane	5	5
16. carbon tetrachloride	5	5
17. vinyl acetate	10	10
18. dichlorobromomethane	5	5
19. c-1,3-dichloropropene	5	5
20. trichloroethene	5	5
21. benzene	5	5
22. chlorodibromomethane	5	5
23. 1,1,2-trichloroethane	5	5
24. t-1,3-dichloropropene	5	5
25. 2-chloroethyl vinyl ether	10	10
26. bromoform	5	5
27. 2-hexanone	10	10
28. 4-methyl-2-pentanone	10	10
29. 1,1,2,2-tetrachloroethane	5	5
30. tetrachloroethene	5	5
31. toluene	5	5
32. chlorobenzene	5	5
33. ethylbenzene	5	5
34. styrene	5	5
35. total xylenes	15	15

CRDL - Contract Required Detection Limit

Base/Neutral Target Compounds

Compound	Water CRDL	Soil/Solid CRDL
1. Hexachloroethane	10 ug/l	330 ug/kg
2. Bis (2-chloroethyl) ether	10	330
3. Benzyl Alcohol	10	330
4. Bis (2-chloroisopropyl) ether	10	330
5. N-nitrosodi-n-propylamine	10	330
6. Nitrobenzene	10	330
7. Hexachlorobutadiene	10	330
8. 2-Methylnaphthalene	10	330
9. 1,2,4-trichlorobenzene	10	330
10. Isophorone	10	330
11. Naphthalene	10	330
12. 4-Chloroaniline	10	330
13. Bis (2-chloroethoxy) methane	10	330
14. Hexachlorocyclopentadiene	10	330
15. 2-chloronaphthalene	10	330
16. 2-Nitroaniline	50	1600
17. Acenaphthylene	10	330
18. 3-Nitroaniline	50	1600
19. Acenaphthene	10	330
20. Dibenzofuran	10	330
21. Dimethylphthalate	10	330
22. 2,6-Dinitrotoluene	10	330
23. Fluorene	10	330
24. 4-Nitroaniline	50	1600
25. 4-Chlorophenyl-phenyl ether	10	330
26. 2,4-Dinitrotoluene	10	330
27. Diethylphthalate	10	330
28. N-Nitrosodiphenylamine	10	330
29. Hexachlorobenzene	10	330
30. Phenanthrene	10	330
31. 4-Bromophenyl-phenyl ether	10	330
32. Anthracene	10	330
33. Dibutylphthalate	10	330
34. Fluoranthene	10	330
35. Pyrene	10	330
36. Butyl benzyl phthalate	10	330
37. Bis (2-ethylhexyl) phthalate	10	330
38. Chrysene	10	330
39. Benzo (a) anthracene	10	330
40. 3,3'-Dichlorobenzidene	20	660
41. Di-n-octyl phthalate	10	330
42. Benzo (b) fluoranthene	10	330
43. Benzo (k) fluoranthene	10	330
44. Benzo (a) pyrene	10	330
45. Indeno (1,2,3-cd) pyrene	10	330
46. Dibenzo (a,h) anthracene	10	330
47. Benzo (g,h,i) perylene	10	330
48. 1,2-Dichlorobenzene	10	330
49. 1,3-Dichlorobenzene	10	330
50. 1,4-Dichlorobenzene	10	330

Acid Target Compounds

Compound		Water CRDL	Soil/Solid CRDL
1.	Benzoic Acid	50 ug/l	1600 ug/kg
2.	Phenol	10	330
3.	2-chlorophenol	10	330
4.	2-nitrophenol	50	1600
5.	2-methylphenol	10	330
6.	2,4-dimethylphenol	10	330
7.	4-methylphenol	10	330
8.	2,4-dichlorophenol	10	330
9.	2,4,6-trichlorophenol	10	330
10.	2,4,5-trichlorphenol	50	1600
11.	4-chloro-3-methylphenol	10	330
12.	2,4-dinitrophenol	50	1600
13.	2-methyl-4,6-dinitrophenol	50	1600
14.	Pentachlorophenol	50	1600
15.	4-nitrophenol	50	1600

Pesticide Target Compounds

Compound	Water CRDL	Soil/Solid CRDL
1. alpha-BHC	.05 ug/l	8.0 ug/kg
2. beta-BHC	.05	8.0
3. delta-BHC	.05	8.0
4. Lindane (gamma-BHC)	.05	8.0
5. Heptachlor	.05	8.0
6. Aldrin	.05	8.0
7. Heptachlor epoxide	.05	8.0
8. Endosulfan I	.05	8.0
9. 4,4'-DDE	.10	16.0
10. Dieldrin	.10	16.0
11. Endrin	.10	16.0
12. 4,4'-DDD	.10	16.0
13. Endosulfan II	.10	16.0
14. 4,4'-DDT	.10	16.0
15. Endrin aldehyde	.10	16.0
16. Endosulfan sulfate	.10	16.0
17. Methoxychlor	.50	80.0
18. Chlordane	.50	80.0
19. Toxaphene	.50	80.0
20. Arochlor-1016	1.0	160.0
21. Arochlor-1221	.50	80.0
22. Arochlor-1232	.50	80.0
23. Arochlor-1242	.50	80.0
24. Arochlor-1248	.50	80.0
25. Arochlor-1254	1.0	160.0
26. Arochlor-1260	1.0	160.0

Inorganic Target Compounds

Metals Analyses (CRDL)-ug/l*	
Aluminum	200
Antimony	60
Arsenic	10
Barium	200
Beryllium	5
Cadmium	5
Chromium	10
Cobalt	50
Copper	25
Iron	100
Lead	5
Manganese	15
Mercury	0.2
Nickel	40
Selenium	5
Silver	10
Thallium	10
Vanadium	50
Zinc	20

Other Inorganics
Cyanide
Sulfide
Phenols
Nitrogen-Ammonia
Nitrogen, Total Kjeldahl
Nitrogen-Nitrate
Boron
pH

*Any analytical method specified in the Quality Assurance Project Plan (QAPP) may be utilized as long as the documented instrument or method detection limits meet the Contract Required Detection Level requirements. Higher detection levels may only be used in the following circumstance:

If the sample concentration exceeds two times the detection limit of the instrument or method in use, the value may be reported even though the instrument or method detection limit may not equal the CRDL. This is illutrated in the example below:

For lead:

Method in use -- ICP
Instrument Detection Limit (IDL) = 40
Sample Concentration = 85
Contract Required Detection Level (CRDL) = 5

The value of 85 may be reported even though instrument detection limit is greater than required detection level. The instrument or method detection limit must be documented as described in Form IIIX.

These CRDL are the instrument detection limits obtained in pure water that must be met using ICP/Flame AA or Furnace AA. The detection limits for samples may be considerably higher depending on the sample matrix.

APPENDIX E

WELL LOGS

The following is an explanation of the ISWS Private Well Database Printout.

Columns	Field Length	Name	Description
1-3	3	FIPS	County Code Number

FIPS means Federal Information Processing System and is a Federal number to designate a county.

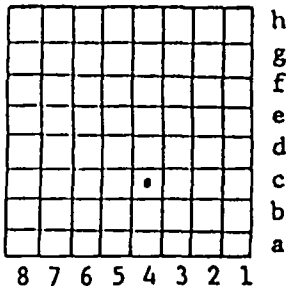
4-8	5	SGS County number	

SGS County number is the Geological Survey ID# that is assigned as an internal identification number.

9-18	10	Location	Township columns 9-11 Range columns 12-14 Section columns 15-16 Plot columns 12-18

The location system uses the township, range, and section. The location consists of five parts: county, township, range, section, and coordinate within the section. Sections are divided into rows of 1/8-mile squares. Each 1/8-mile square contains 10 acres and corresponds to a quarter of a quarter of a quarter section. A normal section of 1 square mile contains 8 rows of 1/8-mile squares; an odd-sized section contains more or fewer rows. Rows are numbered from east to west and lettered from south to north as shown in the diagram.

St. Clair County
T.2N., R.10W.
Sec. 23



The location of the well shown above is STC 2N10W-23.4c. Where there is more than one well in a 10-acre square they are identified by arabic numbers after the lower-case letter in the well number.

Columns	Field Length	Name	Description
93-94	2	Well type -	A two letter code indicating the type of well
			Blank - Assumed drilled
			BD Bored and dug
			DU Dug (being phased out)
			DR Driven
			SP Sand point
			SG Spring
95-96	2	Aquifer type -	A two letter code indicating aquifer type
			Blank - Undeterminable
			BR Bedrock
			UN Unconsolidated

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, from chemical analysis reports, from well sealing forms or well inventory forms from the 1930-34 well survey and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been field verified.

Columns	Field Length	Name	Description
19-48	30	Owner	
49-68	20	Driller	
69-75	7	Date	Month columns 69-70 Day columns 71-72 Century columns 73 Year columns 74-75
76	1	Permit code letter indicates agency which issued permit #. M Mines and Minerals (after 1988 only observation wells and irrigation wells) P Public Health - all non-community supplies E EPA - Community supplies N No fee X Undetermined	
77-82	6	Permit number	
83-86	4	Depth (in feet)	
87-90	4	Record type - Indicates paper source that documents the well exists, since records were collected before well log submittal was required. L Log A Affidavit C Chemical analysis I Inventory X Indicates comment in owner field something unusual	
91-92	2	Well use - A two letter code indicating the usage of the well CM Commercial CO Conservation DO Domestic IN Industrial IR Irrigation MO Monitoring MU Municipal NC Non-Community OB Observation PK Park SC School ST State	

714 records

197	32N09E CUSTER PK		0000914 166	C	PK
197	32N09E01 FLOOD H LDTB	KNIERIM	0313980092989560	L	DO
1972855032N09E01	LIDDY J	WILL DUPAGE CO	0910985120160033	L	DO
197	32N09E01 WILIMGTON SCHOOL WELL	WEHLING	0000960 705	L	SC
197	32N09E0119LESTER J	KNIERIM	0220978070941600	L	DO
197	32N09E0129HOLMAN B	SHOEMAKER	1122971012889130	L	DO
197	32N09E0129LEROY A	NORRIS	0820973019378100	L	DO
197	32N09E014BKILLEY J	ANDERSON	0701954 80	L	DO
197	32N09E016EFRIEND N	NORRIS	0918972015376106	L	DO
197	32N09E0173DLEEK D	LOCKPORT	1214972021125550	L	DO
197	32N09E0178MORECRAFT CONS	LOCKPORT	0217977056744600	L	CM
197	32N09E017HKEY REALITY INC MARVIN UNDERWOKNIERIM		0104978057508601	L	CM
197	32N09E018HBRIESE E	LOCKPORT	0907976051301525	L	DO
197	32N09E02 PHILLIPS H	WILL DUPAGE CO	0618976048253130	L	DO
197	32N09E022DHADLED J	ANDERSON	0220953 100	L	DO
197	32N09E036FPABANATHA P	KNIERIM	1101978061304170	L	DO
197	32N09E05 SHIPLA J	SMITH	0000945 200	L	DO
197	32N09E0619LEGTING F	ANYNX AND COON	0000957 150	C	DO
197	32N09E064HSHELL OIL CO		0000965 645	C	IN
197	32N09E065DNEWMANS GROCERY	LOCKPORT	0614978075266505	L	DO
197	32N09E07 BARNETT R	ANDERSON	061496700273180	L	DO
197287A032N09E071HBEANER R		KNIERIM	032498612267823	L	DO
197	32N09E075EMILBURN F	LOCKPORT	090097101206155	L	DO
197	32N09E076EEDGAR J	LOCKPORT	0111974027223100	L	DO
197	32N09E078ALEACH J	LOCKPORT	1214973028480100	L	DO
197	32N09E078ASPIREY W	PRAIRIE	110097202110771	L	DO
197	32N09E078BELLIS E	LOCKPORT	0222976068743140	L	DO
197	32N09E078BLOLLYS STEAK HOUSE		0000973 60	L	CM
197	32N09E08 BAILY B	WILL DUPAGE CO	0929978080073100	L	DO
197	32N09E08 OPPERTUNITY HOMES INC	DREHER AND SCHORIE	0800974 71	L	CM
197	32N09E082BDAVITO F	ANDERSON	062197201519740	L	DO
197	32N09E083BBROWN A		0000964 15	C	SP
197	32N09E083DEWIRT B	KNIERIM	062298110020792	L	DO
197	32N09E085ABROWN A		0000949 14	C	SP
197	32N09E086AVOBORILL E		0000949 16	C	SP
197	32N09E088AJETTREYS B		1000949 15	LK	DO
197	32N09E088BKARL J	ANDERSON	0715934 140	L	DO
197	32N09E097AFAUERD R	GRIFFY	100597403283586	L	DO
197	32N09E101AJENNINGS B	GRIFFY	0229964 67	L	DO
197	32N09E1118COSTELLO I	WILL DUPAGE CO	1219978082879559	L	DO
197	32N09E1138CARR C	LOCKPORT	0814972015618180	L	DO
197	32N09E113DRUDER A	ANDERSON	0504955 65	L	DO
197	32N09E12 REITHKNECHT R	WILL DUPAGE CO	1004978050244100	L	DO
197	32N09E12 SOL	WILL DUPAGE CO	0615978075528109	L	DO
197	32N09E121FVANDUYNE D	NORRIS	090797201325385	L	DO
197	32N09E122APOMMIER B	GRIFFY	0410973 73	L	DO
197	32N09E122APOMMIER B	PRAIRIE	1100972070699151	L	DO
197	32N09E123BGAVILER B	KNIERIM	111597805209590	L	DO
197	32N09E123APOMMIER B	GRIFFY	1100972021701154	L	DO
197	32N09E123APOMMIER B	PRAIRIE	0400973022441143	L	DO
197	32N09E123APOMMIER B	PRAIRIE	0400973022542260	L	DO
197	32N09E123APOMMIER B	PRAIRIE	1000973020700118	L	DO
197	32N09E123AIIDEN F	NORRIS	0330972016901109	L	DO
197	32N09E125HCANNINE M	NORRIS	101797403A04386	L	DO
197	32N09E126ADONANAUGH J	GRIFFY	0727964 70	L	DO
197	32N09E126ACUMMINGS D	GRIFFY	0721966 71	L	DO
197	32N09E126BGOODWIN C	NORRIS	1109973021581105	L	DO
197	32N09E126DGILL D	NORRIS	120097302138229	L	DO
197	32N09E127AHOPKINS L	GRIFFY	050196800726986	L	DO

1972747	32N09E127ASWANSON V	WILL DUPAGE CO	032898713045511O	L	DD
197	32N09E128AENDS M	ANDERSON	0000957 60	L	DD
197	32N09E128AENDS T	WILL DUPAGE CO	10249791908300O	L	DD
197	32N09E128AFRANTZ	PRAIRIE	0600968005031 65	L	DD
197	32N09E128BTHOMPSON F	GRIFFY	072056900766080	L	DD
197	32N09E128BWALSH J	LOCKPORT	051097705908105	L	DD
197	32N09E128CMACK M	WILL DUPAGE CO	081797201943515O	L	DD
197	32N09E128DTRI COUNTY WELL AND PUMP	LOCKPORT	092497807976O565	L	CM
197	32N09E128ECRAIG C	GRIFFY	1109964 115	L	DD
197	32N09E128HCUNNING R	NORRIS	071897402865421O	L	DD
197	32N09E128HKUBALEK E		0000953 1123O		DD
197	32N09E13 BOOTH	ANDERSON	0411956 100	L	DD
197	32N09E13 CARRY H	ANDERSON	0400953 75	L	DD
197	32N09E13 DAVEY W	ANDERSON	0708960 100	L	DD
197	32N09E13 DEFRANCISCO J	WILL DUPAGE CO	083097706606335 5	L	DD
197	32N09E13 ERICKSON C	ANDERSON	0000957 5	L	DD
197	32N09E13 ERICKSON C	ANDERSON	0514952 7	L	DD
1970087	32N09E13 FREDRICKSON H	ANDERSON	0200955 75	L	DD
197	32N09E13 KUNES E	SMITH	0000947 60	L	DD
1972932	032N09E13 LARSON R	WILL DUPAGE CO	121798612573022	L	DD
197	32N09E13 NIEMAN Y	JOLIET PUMP CO	0000947 77	L	DD
197	32N09E13 ROCKDALE ELECTRONICS CO	STONEBERGER	0000966 100	L	CM
1973010	632N09E13 ROST W	WILL DUPAGE CO	110798713705920	L	DD
197	32N09E13 SCHICK E	JOLIET PUMP CO	0000947 70	L	DD
197	32N09E13 SREDL E	LOCKPORT	010397301761595	L	DD
197	32N09E13 SWANSON V	ANDERSON	1016956 90	L	DD
197	32N09E13 TUCKER	ANDERSON	0702960 60	L	DD
197	32N09E131CWURTZ N	ANDERSON	1219893 125	L	DD
197	32N09E131DCHRISTOFERSON C	ANDERSON	1220893 28	L	DD
1972964	132N09E131HDIRNNIK J LOT9	KNIERIM	082098713234534O	L	DD
197	32N09E132FKAASGAARD H	LE COCQ	0000953 7	L	DD
197	32N09E132GCASTLE T	NORRIS	111197401721960	L	DD
197	32N09E132HAMS BUILDERS	KNIERIM	011298109795049	L	DD
197	32N09E132HBARVA G	GRIFFY	080397503921211 2	L	DD
197	32N09E132HBARVA G	GRIFFY	081397503921311 4	L	DD
197	32N09E132HBARVA G	GRIFFY	081897503921411 5	L	DD
197	32N09E132HBARVA G	GRIFFY	082397503921511 7	L	DD
197	32N09E132HBARVA G	GRIFFY	082897503921614 1	L	DD
197	32N09E132HSEUER J	KNIERIM	112997808219590	L	DD
197	32N09E133BTADCHIA J	LOCKPORT	053198310726328	L	DD
197	32N09E134AFEET C	ZENISEK	0000760 156	C	DD
197	32N09E134EBUCHMAN W	GRIFFY	0716964 75	L	DD
197	32N09E134ECLAYTON J	LOCKPORT	092797101123095	L	DD
197	32N09E134EDAVEY W	ANDERSON	0514955 75	L	DD
1972916	432N09E134EGEHRIS B	LOCKPORT	101498612733375	L	DD
197	32N09E134EWAGNER P	GRIFFY	0724955 75	L	DD
197	32N09E134FBROWN M	KNIERIM	062997706272160	L	DD
197	32N09E134FLEOPOLD E	NORRIS	090197201964013O	L	DD
197	32N09E134HNIKELL M	KNIERIM	110597706886910O	L	DD
1973010	532N09E135DFRY L	WILL DUPAGE CO	110698713702995	LL	DD
197	32N09E135HHUTTON P	LOCKPORT	082097908321716 5	L	DD
197	32N09E135HRYAN J	LOCKPORT	101498411531297	L	DD
197	32N09E135HTRI COUNTY WELL AND PUMP	LOCKPORT	061397909851010 4	L	CM
197	32N09E136GGEBHART L	ANDERSON	0319940 82	L	DD
1972863	032N09E136HFITZPATRICK J	LOCKPORT	110198510123510O	L	DD
197	32N09E137BVANDUYNE R	NORRIS	061497201505384	L	DD
197	32N09E138AUNDERWOOD L	IL COAL CORP	0000948 190	C	DD
197	32N09E138HEATES B	GRIFFY	030597009126 47	L	DD
197	32N09E14AAPORTERFIELD C	WILL DUPAGE CO	061797807820770	L	DD

197	32N09E141ASHEEHAN T	LOCKPORT	0117980094330145 L	DD
197	32N09E141ABURGES L	WILL DUPAGE CO	041597402831643 L	DD
197	32N09E142ATRAYNER A	AMYX	1200965 122 C	DD
197	32N09E142DTRESZKA J	NORRIS	0711972015152100 L	DD
197	32N09E151HATHERTON T	NORRIS	0803973024500190 L	DD
1972967732N09E151HCRITES C		KNIERIM	0822987134744520 L	DD
197	32N09E152BSOLTUSIK R	SHEDMAKER	0727971011627140 L	DD
197	32N09E152GSHARKEY A	LLOKPORT	0410973022170620 L	DD
197	32N09E153FLAMPING C	KNIERIM	0803973020132160 L	DD
197	32N09E153GBROWN A		0000966 12 L	SP
197	32N09E156HCLARK P	WILL DUPAGE CO	0516981099549130 L	DD
197	32N09E158HJADRON T	LOCKPORT	0622981100124110 L	DD
197	32N09E158HKOAREK J	DRECHER	1000974 175 L	DD
1972954732N09E158HSTAUFFENBERG D		LOCKPORT	091698E1200751195L	DC
197	32N09E168DKONRAD B	GRIFFY	110597302601380 L	DD
197	32N09E168GMIKEL J	LOCKPORT	072798411369765 L	DD
197	32N09E17 FITZWATER R	LOCKPORT	090297101436175 L	DD
197	32N09E17 MILBURN P		0000972 12 L	SP
197	32N09E171EWOODWARD R	LOCKPORT	120097302179580 L	DD
197	32N09E171GBERGGREN E	LOCKPORT	022497705685765 L	DD
1972924132N09E171GWISNIEWSKI D		LOCKPORT	112698612824660 L	DD
197	32N09E171HBERGGREN B	LOCKPORT	0420978073034100 L	DD
197	32N09E172DPAISLEY W	KNIERIM	012597201621140 L	DD
197	32N09E173GLOTTIN J	LOCKPORT	102897403438590 L	DD
197	32N09E182DALLISON B	LOCKPORT	120697605501385 L	DD
197	32N09E191BMIKEL J	LOCKPORT	0531976047764630 L	DD
1972885732N09E192DCOMMONWEALTH EDISON		SHARPE	0626986124387500 L	IN
1972889632N09E192DCOMMONWEALTH EDISON		SHARPE	0630986124386500 L	IN
1972889432N09E192DCOMMONWEALTH EDISON		SHARPE	0624986124384500 L	IN
1972887332N09E193DCOMMONWEALTH EDISON		SHARPE	0703986124387500 L	IN
197	32N09E193HCOMMONWEALTH EDISON	WEHLING	101697403722171753LC	IN
197	32N09E194ACOMMONWEALTH EDISON	SHARPE	0600986124388500 L	IN
1972839532N09E194BCOMMONWEALTH EDISON		SHARPE	0707986124385500 L	DD
197	32N09E195DCOMMONWEALTH EDISON	LOCKPORT	0730976049879185 L	IN
1972962832N09E196BGODLEY PK DISTRIC		WEHLING	0629987132559660 L	PK
197	32N09E201EZIELENKA E	SIMPSON	0000987 175 C	DD
197	32N09E223GBROWN A		0000969 120 C	DD
197	32N09E228HMORRIS F	MILLS	0000964 670 C	DD
197	32N09E235HGRANSFELDT A	LOCKPORT	091097602166060 L	DD
197	32N09E238HBERNS D	WILL DUPAGE CO	0317976043011080 LC	DD
1972973732N09E24 BUMPOSS D		WILL DUPAGE CO	0314986122559300 L	DD
197	32N09E241ASCOTT D	GRIFFY	0208964 103 L	DD
197	32N09E241BLOVE J	GRIFFY	0111964 78 L	DD
197	32N09E241CVECKMAN W	GRIFFY	0930966 100 L	DD
197	32N09E241GCUSTER FW BAP CH	KNIERIM	070997807659980 L	DD
197	32N09E257FVEIGLT C	* KNIERIM	0208977056389500 L	DD
197	32N09E275DHECHERIE W		0000968 30 C	DD
197	32N09E281DCOMMONWEALTH EDISON	WEHLING	1000981099853169OLIC	IN
197	32N09E285DCOMMONWEALTH EDISON	WEHLING	0000981 1025C	IN
197	32N09E331ABARISHART C	GRIFFY	0413976046248135 L	DD
197	32N09E331ATHOMPSON E	GRIFFY	0510976 135 C	DD
197	32N09E333ABARNHART C	GRIFFY	0515976046247160 LC	DD
197	32N09E351GMANNING J	NORRIS	1016972020313106 L	DD
197	32N09E351DCRUM W	LOCKPORT	0912973024974105 L	DD
197	32N09E351EHUDEK J	LOCKPORT	0610772019224300 L	DD
197	32N09E351FHAYDEN M	WILL DUPAGE CO	1201975041135180 L	DD
197	32N09E351B7ILLER J	NORRIS	0802974031561110 L	DD
197	32N09E353FKRAMIL J	LOCKPORT	0910978078795205 L	DD
197	32N09E355ABAISTON M	NORRIS	0706972022730510 L	DD

197	32N09E361SMCQUINN T	LOCKPORT	1219975043695?5	L	DD
197	32N09E367FLAPPING C	KNIERIM	05109730174?2100	L	DD
197	32N09E368FSIMPSON K	LOCKPORT	01069810980125?5	L	DD
197	32N10E		0000914 166	C	PK
197	32N10E		0000919 70	C	DD
197	32N10E011DJACOBS D	NORRIS	012797301975?127	L	DD
197	32N10E011DRDHR L	NORRIS	031497402793311?	L	DD
197	32N10E013CJESSEN H	NORRIS	0902972016519117	L	DD
197	32N10E015CFOUARA L	LOCKPORT	041197?0268581160	L	DD
197	32N10E044ASULLIVAN D	WILL DUPAGE CO	0806?80094350695	L	DD
197	32N10E045ASLEWNEY G	ANDERSON	1025951 196	L	DD
197	32N10E05 LONG T	WILLS	0000947 130	L	DD
197	32N10E055AHUBERT GRAIN CO	KNIERIN	082097504078?6?0	L	DP
197	32N10E06 COOK G	LOCKPORT	031497302289995	L	DD
197	32N10E06 LYBAY G LOT10	LOCKPORT	061397101243695	L	DD
197	32N10E063BIGBERT V	KNIERIM	010597700318470?	L	DD
197	32N10E067HUFCHURCH K	NORRIS	050297301827529	L	DD
197	32N10E068ADUNCON D	NORRIS	031297402767235	L	DD
197	32N10E068DKILLEY J	ANDERSON	0628957 97	L	DD
197	32N10E068FSLENNY D	WEHLING	011197201536560	L	DD
197	32N10E068GJOHNSON J	WILL DUPAGE CO	072997302426028	L	DD
197	32N10E068GZOUGANELIS G	LOCKPORT	0630971013300100	L	DD
197	32N10E068HHOWARD D	NORRIS	031497402767188	L	DD
197	32N10E068HSLUTER A	NORRIS	091597302057433	L	DD
197	32N10E073BDAVIS E	LOCKPORT	092097504016153	L	DD
1972964232N10E076AJESSEN H		WILL DUPAGE CO	062597132450?7	L	DD
197	32N10E076CBOWLES B	WILL DUPAGE CO	09229780763?039	L	DD
197	32N10E076DWESOLOSKI F	LOCKPORT	0720980094899100	L	DD
197	32N10E078AENGLES B	NORRIS	0824974032076?0	L	DD
197	32N10E081HGOODWIN E		0000915 600	C	DD
197	32N10E09 GOODWIN F	WEHLING	0700964 689	C	DD
197	32N10E09 GOODWIN R	DRECHER	0000943 90	L	DD
197	32N10E091FJACKSON M	WILL DUPAGE CO	06159790865937?5	L	DD
197	32N10E097AGOODWIN F	WEHLING	0200964 670	C	DD
197	32N10E108FBERGGREN S	WILL DUPAGE CO	1128972081205235	L	DD
197	32N10E113 MARCER P	DRECHER	0000942 105	L	DD
197	32N10E12 WESOLASKI F	WILLS	0500947 141	L	DD
197	32N10E122?POMPA ?	NORRIS	060597403023322	L	DD
197	32N10E127CMCDERMOTT J	KNIERIM	0407972016951290	L	DD
197	32N10E128ABUTTLER D	NORRIS	0517973022?59100	L	DD
197	32N10E13 ARNOLD H	ANDERSON	0220957 40	L	DD
197	32N10E146CWILCOX B	LOCKPORT	1212973026991100	L	DD
197	32N10E146FTRI COUNTY WELL AND PUMP	LOCKPORT	1024979090625405	L	DK
197	32N10E147FDONAHUE A	ANDERSON	0412939 359	L	DD
197	32N10E148EDONAHUE A	ANDERSON	1231560 50	L	DD
197	32N10E155AGENTILE F	LOCKPORT	070397301915685	L	DD
197	32N10E156AGENTILE F	LOCKPORT	072997201924285	L	DD
197	32N10E156AGENTILE F	LOCKPORT	072997201924685	L	DD
197	32N10E156AGENTILE F	LOCKPORT	073197301924385	L	DD
1970892732N10E159ACIRRENCIONE T		WILL DUPAGE CO	062198612451750	L	DD
1972870432N10E159BFID LAND B		LOCKPORT	0107986121920645	L	DD
197	32N10E161EWARRINER W	DELANEY	100097101504985	L	DD
197	32N10E164BBISHOP H	AMYX	0000921 214	C	DD
197	32N10E165GBISHOP H(DAVIS H)	AMYX	0000950 212	C	DD
197	32N10E168HPIEGGIE L	NORRIS	0805972019102220	L	DD
197	32N10E177AWHALEN H	LOCKPORT	052797101178540	L	DD
197	32N10E178ECALVERT C	LOCKPORT	0615979084459135	L	DD
197	32N10E18 BISSEE R LOT15	WILL DUPAGE CO	012398111108228	L	DD
197	32N10E181DJONES T	WEHLING	0804980949?0112	L	DD

197	32N10E184BULAND D	WILL DUPAGE CO	0605984111270042	L	DD
197	32N10E181HDAVIS E	WILL DUPAGE CO	0801978078724532	L	DD
197	32N10E183AMOSLEY E	ANDERSON	1216976 123	L	DD
197	32N10E183FWAIDER C		0000965 145	C	DD
197	32N10E183FWAIDER C	LEDOCQ	0000950 145	C	DD
197	32N10E184BSMITH W	KNIERIM	0812977065207100	L	DD
197	32N10E186FWOOCK T	LOCKPORT	0221981095?4748	L	DD
197	32N10E187AWILKERSON E	NORRIS	0511972013297?3	L	DD
197	32N10E187DBELL R	KNIERIM	1001984113064340	L	DD
197	32N10E187HDUVALL D	WILL DUPAGE CO	0?17981101398?0	L	DD
197	32N10E188DTOWSLEY E	ANDERSON	?400953 30	L	DD
197	32N10E188HJIRIK AND EURIC	WILL DUPAGE CO	0216979083528100	L	DD
197	32N10E188HREDMAN E	KNIERIM	092197808004530	L	DD
197	32N10E19		0000908 40	C	DD
197	32N10E19 HINCH P LOT14	WILL DUPAGE CO	0809977064873415	L	DD
197	32N10E19 HINICH J	KNIERIM	0406981111759130	L	DD
197	32N10E19 NEW LENOX LUMBER LOT23	WILL DUPAGE CO	1110980097217100	L	CM
19726302	32N10E19 NORELL M	WILL DUPAGE CO	0112985115348140	L	DD
197	32N10E19 VANDUYNE L LOT17	WILL DUPAGE CO	0920977065239580	L	DD
197	32N10E191AARNDT R	GRIFFY	101897202018357	L	DD
197	32N10E191ABERGBREN B	LOCKPORT	080797807740365	L	DD
197	32N10E191ADEVINE R	GRIFFY	0711097050170132	L	DD
197	32N10E191ADEVINE R	GRIFFY	0712976050171170	L	DD
197	32N10E191BBUCKMAN W	GRIFFY	111697011109085	L	DD
197	32N10E191BHONRAD R	GRIFFY	102097302601611B	L	DD
197	32N10E191BNEW LENOX LUMBER	WILL DUPAGE CO	0317979083935100	L	CM
197	32N10E191BNEW LENOX LUMBER AND HARDWARE	WILL DUPAGE CO	0316979083954.00	L	CM
197	32N10E191FTRI COUNTY WELL AND PUMP	LOCKPORT	0106980092211385	L	DD
197	32N10E192ADEVINE R	GRIFFY	050797503735193	L	DD
197	32N10E192ADEVINE R	GRIFFY	051197503735270	L	DD
197	32N10E192BDEVINE R	GRIFFY	062597604801795	L	DD
197	32N10E192BHONRAD R	GRIFFY	062597403176395	L	DD
197	32N10E192DFOX L	LOCKPORT	0518977060462100	L	DD
197	32N10E193CSOUCHIE M	KNIERIM	0517979084852360	L	DD
197	32N10E193DSHOEMAKER B	WILL DUPAGE CO	0327980093114250	L	DD
197	32N10E194DNEW LENOX LUMBER	WILL DUPAGE CO	0310979071910235	L	DD
197	32N10E194EALLISON T	KNIERIM	1017979090731160	L	DD
197	32N10E194EBKOFF W	GRIFFY	031997201664090	L	DD
197	32N10E194HSPEDIS A	PRAIRE	020097402167590	L	DD
197	32N10E195CBUCKMAN W	GRIFFY	070397006985092	L	DD
197	32N10E195DDEVINE R	GRIFFY	1024975041306101	L	DD
197	32N10E195DDEVINE R	GRIFFY	110197504130712B	L	DD
197	32N10E195DDEVINE R	GRIFFY	1106975041308146	L	DD
197	32N10E195FHUND B	KNIERIM	0130984111053260	L	DD
197	32N10E195HROSE R	LEDOCQ	0729969007682140	L	DD
197	32N10E196DANDERSON	KNIERIM	011398310595780	L	DD
197	32N10E196DHONRAD R	GRIFFY	080997101367082	L	DD
197	32N10E196DWIL SHAR HOMES	KNIERIM	101797706624540	L	CM
197	32N10E196FBLANSHETTE L	WEHLING	0223970044436107	L	DD
197	32N10E196HBUTCHER C	KNIERIM	060797607503880	L	DD
197	32N10E197BBUCKMAN W	GRIFFY	010396700673276	L	DD
197	32N10E198AHAMMER C	KNIERIM	0721984113663920	L	DD
197	32N10E198AOHLHUES R	LOCKPORT	0411979084384110	L	DD
197	32N10E198DCOOK D	KNIERIM	0311981098482440	L	DD
197	32N10E198EBINNS L	LOCKPORT	1121978082002245	L	DD
197	32N10E198EDUITER ?? GRADE SCHOOL	WEHLING	0?00569 904	LDI	SC
197	32N10E199FPAPER T	ANDIRECA	0917903 72	L	DD
197	32N10E198DSMITH D	LOCKPORT	012297908305885	L	DD
197	32N10E20 SAAB F	DRECHER	0000?92 94	L	DD

197	32N10E10 BERUTIS J	DRECHEF	0000943 43	L	DD
197	32N10E205EMURCZYK K	NORRIS	0703972015377730	L	DD
097	32N10E215EFOREST PRES WILL CO	LOCKPORT	0531983107157120	L	PK
197	32N10E215EWIRTH D	WILL DUPAGE CO	0820980095299310	L	DD
197	32N10E221DBOWMAN D	GRIFFY	0830977024950217	L	DD
097	32N10E221DHEADRICK L	LOCKPORT	0215980092693645	L	DD
097	32N10E222AEXYCAP PIPELINE	WEHLING	1013978080484200	L	DC
097	32N10E222DBOWMAN D	GRIFFY	110697605316970	L	DD
097	32N10E228FKURAIS J	LOCKPORT	1118970025995170	L	DD
097	32N10E228GMOORE A	GRIFFY	0712973023957141	L	DD
097	32N10E228GSCPUTIUS J	GRIFFY	0315974027791185	L	DD
0973010132N10E237ATRYON F		LOCKPORT	110992713633480	L	DD
097	32N10E243HHENNEBURY D	ANDERSON	1002893 101	L	DC
097	32N10E248ABURIE J	GRIFFY	020697402716996	L	DD
097	32N10E251HAMILTON W	KNIERIM	1001977067529100	L	DD
097	32N10E261ABUTTERFEILD D	LOCKPORT	1230979092162645	L	DD
097	32N10E27 HOFFMAN D	GRIFFY	1220967003497165	L	DD
0972863132N10E281HDCROTTY B		WILL DUPAGE CO	1221985121257560	L	DD
097	32N10E284FHOFFMAN V	GRIFFY	0319966 76	LC	DD
0972919432N10E285DSCHOLES J		WILL DUPAGE CO	1114986127853355	L	DD
097	32N10E287ABLACKLOCK R	WILL DUPAGE CO	1005978090323100	L	DC
097	32N10E287AMARTIN J	KNIERIM	071997706366380	L	DC
097	32N10E287ATIMBERLINE DEV BLDRS	WILL DUPAGE CO	0315977057268250	L	DD
097	32N10E288ABECK T	KNIERIM	0829979089066160	L	DD
097	32N10E288ABIRD B	WILL DUPAGE CO	063097807636085	L	DD
097	32N10E288DFLONTEC W	KNIERIM	093097808048295	L	DC
097	32N10E288ETRI COUNTY WELL AND PUMP	LOCKPORT	0106979083164125	L	DC
0972935732N10E288HHOFFMAN S		WILL DUPAGE CO	1030987129314440	L	DC
097	32N10E291EHARMES D	GRIFFY	1015963 61	L	DD
097	32N10E292HPRINCE E	GRIFFY	081297101284965	L	DD
097	32N10E295HCAMPBELL A	WILL DUPAGE CO	1013979090540210	L	DD
097	32N10E298CCUNNING CONE	WILL DUPAGE CO	1005979089962110	L	CM
097	32N10E314HPRINCE E	GRIFFY	0514972074578O	L	DD
197	32N10E32		0000716 18	C	DD
097	32N10E322FBROWER J	KNIERIM	0821978075570110	L	DD
097	32N10E328AHOEKSTRA D	WEHLING	0819971013938114	L	DD
097	32N10E328BHOESTRA S		0000965 50	C	DD
097	32N10E328EHDCRAFFER R	KNIERIM	0520977060657125	L	DC
097	32N10E328HIUKOVSKY D	JENSEN	1015976053214100	L	DD
197	32N10E337ETIMBERLINE BLDRS	WILL DUPAGE CO	103197706873335	L	CM
097	32N10E338ANOWAK R	WILL DUPAGE CO	091797908957840	L	DD
097	32N10E338ANOWAK R	WILL DUPAGE CO	091797905957940	L	DD
097	32N10E342HIEMINGE R	DELANEY	090698009477965	L	DD
0973010732N10E345DDIENEMGER R		LOCKPORT	011139813696780	L	DD
097	32N10E36 ILL YTH CENETER		0000983	L	CM
197	32N10E36 KANK BOYS CAMP	LAYNE WESTERN	1100962 751	LCI	PK
097	32N10E36 PUBLIC SERVICE CO	WILLS	0000948 255	L	IN
197	32N10E36 ST OF ILL		0000949 295	L	PK
1972382B32N10E362DILL YTH CENTER		WEHLING	08009681245571700	L	PK
197	33N09E		0000908 45	C	DD
197	33N09E		0000926 140	C	DC
197	33N09E01		0000907 789	C	DD
197	33N09E01 KANKEE ORDANCE WORKS	VARNER	0114942 1653	L	CI
197	33N09E01 MORBANE W	SCHIFFMAN	0000913 169	L	DC
197	33N09E01 PRAIRIE CREEK SCHOOL	ANDERSON	0000924 70	L	DC
197	33N09E01 WHARTON P	MATHEWS	0000908 877	LI	DC
197	33N09E01 GARETT P	WALD	0000895 1?	LC	DD
197	33N09E02 ALEXANDER J	ANDERSON	0000933 30	L	DD
197	33N09E02 ALEXANDER J	ANDERSON	0000931 55	LC	DD

197	33N09E021EALEXANDER J	SCHORIE AND DRYER	0000917	57 LC	DD
197	33N09E022HRALEIGH T	YATES	0000912	140 LC	DD
197	33N09E023AMCINTYRE J		0000900	80 LC	DD
197	33N09E027ADUINLAN	SCHIFFMAN	0000910	50 L	DD
197	33N09E027AWHARTON R	SCHIFFMAN	1000902	100 LC	DD
197	33N09E03 LAMPIN H	YATES	0000900	90 L	DD
197	33N09E03 PINKOS S	SCHIFFMAN	0000905	80 L	DD
197	33N09E032AGOBEL L	YATES	0000902	78 LC	DD
197	33N09E034HNICHOLSON L	SCHIFFMAN	0000898	60 LC	DD
197	33N09E06 BAUDINE D LOT25	ERNST	0530973022660103 L		DD
197	33N09E06 CAMPBELL R	WILL DUPAGE CO	0621977065238150 L		DD
197	33N09E06 FLYN W		0000900	400 L	DD
1972851233N09E06	FURLAN J	WILL DUPAGE CO	0814985119676385 L		DD
197	33N09E06 SEIBLER B	WILL DUPAGE CO	0000926	110 L	DD
197	33N09E06 GRONE L	LOCKPORT	1029971015192220 L		DD
197	33N09E06 KABINSKI E	WILL DUPAGE CO	0312973022031100 L		DD
197	33N09E06 LERNER M LOT3	WILL DUPAGE CO	0815977065237110 L		DD
1772964333N09E06	MCCANEY R	WILL DUPAGE CO	0611987132379195 L		DD
197	33N09E06 NOLAN R LOT19	LOCKPORT	0706973018666025 L		DD
197	33N09E06 PHELAN S	COLLINS	0000895	97 L	DD
197	33N09E06 SELBY B LOT22	WILL DUPAGE CO	0825972019546310 L		DD
197	33N09E06 SINKA D	WILL DUPAGE CO	0505972019560295 L		DD
197	33N09E064HCORNELIUS(LINK M)	ANDERSON	0525904	277 L	DD
1972899833N09E065AMCCOY R		LOCKPORT	0812986125596385 L		DD
197	33N09E065ASCHUMAN W	LOCKPORT	0604973023309358 L		DD
197	33N09E065BBELANDER S	LOCKPORT	0628973023783325 L		DD
197	33N09E065DPARKINSON I	LOCKPORT	0907975040577150 L		DD
197	33N09E065DSTACK J	WILL DUPAGE CO	0823979088760115 L		DD
197	33N09E066CGRATE T	LOCKPORT	0719977063473505 L		DD
197	33N09E066CLOISELLE A	LOCKPORT	0412973036682140 L		DD
197	33N09E066CRASZHART L	LOCKPORT	0529975037956125 L		DD
197	33N09E066CSTICKEL S	ANDERSON	0401955	100 L	DD
197	33N09E066DSMIDH C	LOCKPORT	102397101467590	L	DD
197	33N09E067DBROWN R	LOCKPORT	0529975037127405 L		DD
197	33N09E067DPHELAN J	ANDERSON	1231849	85 L	DD
197	33N09E067DWEEDE C	NORRIS	1029973026132100 L		DD
197	33N09E068AGARDI R	WILL DUPAGE CO	0829973025016325 L		DD
197	33N09E068AFRENCH R	WILL DUPAGE CO	0701974030665100 L		DD
197	33N09E068AMCDADE J	LOCKPORT	1121974034874125 L		DD
197	33N09E068AMOBER J	WILL DUPAGE CO	0701975038590200 L		DD
197	33N09E068ANAVICK R	LOCKPORT	0618975038475105 L		DD
197	33N09E068ASULLIVAN M	WILL DUPAGE CO	0725973023979540 L		DD
197	33N09E068BBUTLER V	LOCKPORT	0810977064801365 L		DD
1972873633N09E068DGRAMET T		LOCKPORT	0430985117356110 L		DD
197	33N09E068DROGAN J	LOCKPORT	0623980094643205 L		DD
197	33N09E068DWHALEN F	LOCKPORT	0410976046514145 L		DD
197	33N09E068ENOVAK D	LOCKPORT	0505980093288224 L		DD
197	33N09E07 BROCKMAN I	DREHER	0300976	150 L	DD
1972992133N09E07	HOFFMAN B LOT14	WILL DUPAGE CO	0903987134923109 L		DD
197	33N09E07 MICCI A	DREHER	0500979	100 L	DD
197	33N09E07 OBRIEN J	ANDERSON	0000900	340 L	DD
197	33N09E07 TRIZZINO P	WILL DUPAGE CO	0612979086597360 L		DD
197	33N09E071CBARDWELL D	ANDERSON	0315973	170 L	DD
197	33N09E074BOBRIEN J	SMITH	0000943	130 L	DD
1972833233N09E074HROAK L		WILL DUPAGE CO	0703985116915390 L		DD
197	33N09E075AOBRIEN I	WILL DUPAGE CO	0000764	165 D	DD
197	33N09E077BRIERIE Y	LOCKPORT	1004971067330445 L		DD
197	33N09E078DELYEA W	ANDERSON	0500916	210 L	DD
197	33N09E078HLORENIP CLEANIN HALL	ANDERSON	1000920	52 L	DM

197	33N09E08 HARRIS J	ANDERSON	0000904	150	L	DD
197	33N09E08 HENNEBERRY J		0000910	20	L	DD
197	33N09E08 LIATCH LOT12	LOCKPORT	05109780758B4365		L	DD
197	33N09E081EWELCH M	LOCKPORT	1218970011360200		L	DD
197	33N09E082ABURNELLI D	DREHER	1210981102202340		L	DD
197	33N09E082ASANTE FE STATION HOUSE	ANDERSON	0400910	100	L	CM
197	33N09E082FGRAHAM D	LOCKPORT	1107974026857.90		L	DD
197	33N09E083ASTORE AT LORENZO	ANDERSON	0511950	95	L	DD
197	33N09E084ATRI COUNTY WELL AND PUMP	LOCKPORT	1120980097402400		L	DD
197	33N09E084EMEACHAM R	WILL DUPAGE CO	0414980093265325		L	DD
197	33N09E085ASCHOOL HOUSE DIST 10	ANDERSON	1017930	475	L	SC
197	33N09E085EDAVIS L	LOCKPORT	0610972018036165		L	DD
1972837533N09E086FHIBLER B		LOCKPORT	0501985117555305		L	DD
197	33N09E087ASTRUCKHOFF D	KNIERIM	0302477056965300		L	DD
197	33N09E09		0000919	50	C	DD
197	33N09E09 GARVIGAN	ANDERSON	0000900	520	L	DD
197	33N09E09 KELLY	COLLINS	0000892	58	L	DD
197	33N09E092DSTANGO J	KNIERIM	0917970010614130		L	DD
197	33N09E095AILL DPT OF CONS	KNIERIM	0731976044234200		L	CM
1972911633N09E0979BUCK J		DREHER	0902986126792180		L	DD
197	33N09E097CBUCK	KNIERIM	1207979091575600		L	DD
197	33N09E098DWOODCOCK E	WILL DUPAGE CO	1127980097537625		L	DD
197	33N09E10 LESTIN J		0000870	90	L	DD
197	33N09E10 TIERNEY J	COLLINS	0000895	100	L	DD
197	33N09E10 TIERNEY J	TIERNEY	0000875	25	L	DD
197	33N09E11 SIMMIS W	SCHIFFMAN	0000912	90	L	DD
197	33N09E11 LESTER F	SCHIFFMAN	0000905	79	LD	DD
197	33N09E113HMCINTYRE J	SCHIFFMAN	0000920	90	LD	DD
197	33N09E12		0000918	16	C	DU
197	33N09E12 CRAIG J	SCHIFFMAN	0000904	40	L	DD
197	33N09E12 LINCOLN PRAIRE OIL CO	SCHIFFMAN	0000924	132	LD	DD
197	33N09E12 MILLER	DITTMEYER	0000920	120	L	DD
197	33N09E12 RODERICK W		0000904	65	L	DD
197	33N09E12 RYAN T		0000894	12	L	DU
197	33N09E12 WARD M		0000926	18	L	DU
197	33N09E121GUS RUBBER CO		0000944	6130C		DY
197	33N09E125CRYAN M	ANDERSON	1106937	80	L	DD
197	33N09E13 COLLINS D	CUMMINGS	0100934	139	L	DD
197	33N09E13 NUGENT J	SCHIFFMAN	1000905	120	L	DD
197	33N09E13 PINO F	SCHIFFMAN	0000934		L	DD
197	33N09E13 PINO F	SCHIFFMAN	0000934		L	DD
197	33N09E13 SHAMROCK INN	ANDERSON	0000920	120	L	DD
197	33N09E14 COLLINS I	COLLINS	0000900	150	L	DD
197	33N09E14 KELLY J		0000850	10	L	DU
197	33N09E14 TOWNCRAFT BLDERS	WILL DUPAGE CO	07169720166 4847		L	DD
197	33N09E153ATIRENEY J	SCHIFFMAN	0000898	58	L	DD
197	33N09E155APHELPS R	WILL DUPAGE CO	0413974028620600		L	DD
197	33N09E155DKANKAKEE ORDANCE WORKS	KRAMER	0610942	560	L	CM
197	33N09E156HWELDON R	SCHIFFMAN	000 910	116	L	DD
197	33N09E157CGOULD	SCHIFFMAN	0000918	165	L	DD
197	33N09E157FRIEDEL G	KNIERIM	0016975037370100		L	DU
197	33N09E158EBUSCH R	LOCKPORT	0615971013012185		L	DD
197	33N09E158ELAPASE J	LOCKPORT	0720978076833105		L	DD
197	33N09E158HKAVDAC J	LOCKPORT	1029975047094175		L	DD
197	33N09E16 DONAHUE E	ANDERSON	0000894	535	LD	DD
197	33N09E16 HAYES S	HAYES	0000880	31	L	DD
197	33N09E161EDONAHUE E	ANDERSON	0314894	450	L	DD
197	33N09E161SPURSTONE COMM UNIT 207	KNIERIM	0402981048315100		L	DD
197	33N09E17 CARING J		0000920	15	L	DU

197	33N09E17 MAVIN E	SMITH	0000944	125	L	DO
197	33N09E17 UNDERWOOD M	ANDERSON	0000904	90	L	DO
197	33N09E17 UNDERWOOD M	ANDERSON	0000905	460	L	DO
197	33N09E1725KABAMOUGH J	KAIERIM	070197101157	600	L	DO
197	33N09E177HOPHLEN T	ANDERSON	1109197	130	L	DO
197	33N09E18 BARDWELL C		0000915	20	L	DO
197	33N09E18 BARDWELL C	ABELYN	0000895	200	L	DO
197	33N09E18 COOPER F	KAHLER	0000920	119	L	DO
197	33N09E18 JOHNSON		0000934	20	L	DO
197	33N09E184HJOHNSON J	JOLIET PUMP CO	0000956	125	L	DO
197	33N09E19		000093	20	L	DO
197	33N09E20		0000934	20	L	DO
177	33N09E211HANDERSON T	ANDERSON	0300907	535	L	DO
197	33N09E215EANGELO S	WILL DUPAGE CO	11199831105239	50	L	DO
197	33N09E22 CAMERON C		000094	175	C	DO
197	33N09E22 FAULKNER S	SMITH	0000947	130	L	DO
197	33N09E22 REHKOPF C	WILLS	0000947	130	C	DO
197	33N09E22 THOMAS C	CUMMINS	0000931	200	L	DO
197	33N09E221FDESPLAINES GAME FM	LAYNE WESTERN	0400961	317	LC	FK
197	33N09E225AMAVOTTI A	LOCKPORT	101497706672	7343	L	DO
1977844533N09E226IDEBRETTO J		LOCKPORT	081098511281	2630	L	DO
1972984433N09E227FSPENCER F		WILL DUPAGE CO	051397612372	0365	L	DO
197	33N09E223AKRYPET C	LOCKPORT	101897808061	6605	L	DO
1972839233N09E228HPATTERSON R		DREHER	052098511892	22.3	L	DO
197	33N09E278HTAYLOR C	DREHER	050498210373	164	L	DO
197	33N09E23	SCHIFFMAN	0000919	73	L	DO
197	33N09E23 DANE H	KRAMER	0100933	157	L	DO
197	33N09E23 FLORIAN G		0000934	18	L	DO
197	33N09E23 FLORIAN G	FLORIAN	0000934	40	L	DO
197	33N09E23 GOEL J	ANDERSON	0000930	140	L	DO
197	33N09E23 KAHLET	SCHIFFMAN	0000900	540	L	DO
197	33N09E23 KELLY A	DREHER	0000938	150	L	DO
197	33N09E23 LUTHER C	LUTHER	0000906	700	L	DO
1972999933N09E23 NEW LENOX LUMBER		WILL DUPAGE CO	100998713586	3335	L	DM
197	33N09E23 OBRIEN T	SMITH	0000965	400	L	DO
197	33N09E23 PEPPER		0010994	120	LC	DO
197	33N09E23 SWABASS L LOTU	WILL DUPAGE CO	111497506024	1550	L	DO
177	33N09E236DST OF ILL(GAME FARM)		0000951	380	C	PK
197	33N09E24 CARTERFIELD F	SCHIFFMAN	0000870	500	L	DO
197	33N09E24 KELLY J		0000934	20	L	DO
197	33N09E24 MCINTYRE	SCHIFFMAN	0000910	100	L	DO
197	33N09E24 NEWMAN T		0000905	22	L	DO
197	33N09E241EBUS WHALEN FORD	LOCKPORT	090797102536	4515	L	DM
197	33N09E25		0000900		L	DO
197	33N09E25 KANGLEY J		0000934	18	L	DO
197	33N09E25 STRONG E		0000834	20	L	DO
197	33N09E25 SWAVEL H		0000934	20	L	DO
197	33N09E25 WILTON THEATRE	CUMMINS	0000941	200	L	DM
197	33N09E251DJARR E	WILL DUPAGE CO	071897908788	7130	L	DO
197	33N09E253HENGLES R		0000934	90	C	DO
197	33N09E255KNABLINE J	KAIERIM	050097407820	6130	L	DO
197	33N09E257BOSLEIBE		0000954	760	C	DM
197	33N09E26 DAVEY W		0000880	22	L	DO
197	33N09E26 FLORIAN W	SHORBA	0000940	333	L	DO
197	33N09E26 FROST E	YATES	0000980	97	L	DO
197	33N09E26 LIBERTY DISPLAY FIREWORKS	CUMMINGS	0000934	200	L	DM
197	33N09E26 LIBERTY DISPLAY FIREWORKS	DREHER	0000941	100	L	DM
197	33N09E26 MILLER		0000890	35	L	DO
197	33N09E26 OSBORN T		0000934	15	L	DO

197	33N09E26 SHAPLEY W	SCHIFFMAN	0000900	59	L	DO
197	33N09E26 SOLDIERS WIDOWS HOME	SCHIFFMANN	0000904		L	DO
197	33N09E26 VANDYKE P	ANDERSON	0000930	130	L	DO
197	33N09E26 WEL. T		0000934	20	L	DO
197	33N09E265EBENNETT BUILDERS	NORRIS	0516973022547585		L	DM
197	33N09E267BCRANFORD L	SHOEMAKER	0802971013246129		L	DO
197	33N09E27 CERVANY	DREHER	0000931	230	L	DO
197	33N09E27 FORTH B	CUMMINGS	0800931	172	L	DO
197	33N09E27 MARTIN J	SCHIFFMAN	0000920	150	L	DO
197	33N09E27 MARTIN W	SCHIFFMAN	0000934	150	L	DO
197	33N09E272DBENNET BLDRS	NORRIS	0115973021460105		L	DM
197	33N09E272ETHOMAS D	NICE	0830979088782235		L	DO
197	33N09E273HASHCRAFT J	NORRIS	0208974024632600		L	DO
197	33N09E277AKAIL J	NORRIS	0800965	329	C	DC
197	33N09E28		0000934	21	L	DO
197	33N09E285ARINY R	WILL DUPAGE CO	1120977058369650		L	DO
197	33N09E29		0000934	21	L	DO
197	33N09E29 NORTH ILL COAL CORP		0000940	159	C	DM
197	33N09E291ARYDER TRUCK LEASING	WILLS	0000000	720	I	DM
197	33N09E30		0000934	21	L	DO
197	33N09E31		0000934	21	L	DO
1972655	33N09E313ACHRISTIAN LIFE ASS	KNIERIM	1022985120544605		L	DO
197	33N09E32		0000934	21	L	DO
197	33N09E32 WILMINGTON REC CLUB	KNIERIM	0709773023915660		L	DM
197	33N09E324DDESPLAINES GAME FY		0000976	418	C	PK
197	33N09E324AWILMINGTON REC INC	KNIERIM	0709973023915660		L	DM
197	33N09E327BINGERSOLL D	KNIERIM	09149700.0606560		L	DO
197	33N09E328ASUN OIL CO	WEHLING	1200963	675	LC	DM
197	33N09E328ASUN OIL CO	WEHLING	1200965	675	LC	DM
197	33N09E338HARMSTRONG W	ANDERSON	1014960	100	L	DO
197	33N09E33		0000934	21	L	DO
197	33N09E34		0000934	21	L	DO
197	33N09E34 DANKO J ROAD HOUSE		0000930	20	L	DO
197	33N09E34 DANKO S		0000934	100	L	DO
197	33N09E34 DANKO S		0000934	30	L	DO
197	33N09E342AJENSEN H	LOCKPORT	0312979071730145		L	DO
197	33N09E343ARICHARDSON K	LOCKPORT	1020976053483150		L	DO
197	33N09E35 ALEXANDER	KRAMER	0000933	135	L	DO
197	33N09E35 ARMSTRONG A	SMITH	0000946	60	L	DO
197	33N09E35 CLEOPATRA GARDENS	DREHER	0000960	107	L	PK
197	33N09E35 COLES A	SCHIFFMAN	0000909	60	L	DO
197	33N09E35 DONAHUE M		0000921	16	L	DO
197	33N09E35 ENGLER R	SCHIFFMAN	0000910	80	L	DO
197	33N09E35 HOMOLKA	ANDERSON	0000928	120	L	DO
197	33N09E35 JOHNSON	JOHNSON	0000920	20	L	SP
197	33N09E35 JOHNSON C	SCHIFFMAN	0000890	700	L	DO
197	33N09E35 JOHNSON C	SCHIFFMAN	0000390	200	L	DO
197	33N09E35 KAHLER J	SMITH	0000946	60	L	DO
197	33N09E35 KOHLER J	ANDERSON	0000927	176	L	DO
197	33N09E35 KOMOLKA		0000934	20	L	DO
197	33N09E35 LACEY J		0000900	100	L	DO
197	33N09E35 MARKLE T	WEHLING	0711967002716110		L	DO
197	33N09E35 MILLINGER J	SMITH	0000946	115	L	DO
197	33N09E35 NEW LENOX LUMBER CO	WILL DUPAGE CO	1213973016B2760		L	DM
197	33N09E35 PETERSON C	SMITH	0000945	290	L	DO
197	33N09E35 PIHERA G	SMITH	0000946	52	L	DO
197	33N09E35 RYBICKA	ANDERSON	0000934	130	L	DO
197	33N09E35 SEYBERT D	SCHIFFMAN	0000904		L	DO
197	33N09E35 SINGLETON E		0000591	90	L	DO

197	33N09E351HOWLER J		0000934 166 C	DD
197	33N09E351HSTROBEL D	NORRIS	0907973026499100 L	DD
197	33N09E353ABURGCHART D	WILL DUPAGE CO	0323978072010550 L	DD
197	33N09E353FBROWNS A	KNIERIM	0330976045749140 L	DD
197	33N09E353GHOWARD W	WILL DUPAGE CO	1011974033729100 L	DD
197	33N09E354ADEBONIA T	WILL DUPAGE CO	0900980109187580 L	DD
197	33N09E355BSHELL H	KNIERIM	1014978089720560 L	DD
197	33N09E355MBRANDEN D	WILL DUPAGE CO	1022974033442147 L	DD
197	33N09E355PHOWARD S	KNIERIM	0611779086125100 L	DD
197	33N09E355HMARKLT T	KNIERIM	0503979085131120 L	DD
197	33N09E356APLEGE J		0000970 122 C	DD
197	33N09E356BOOTHAM L	KNIERIM	0716978076837120 L	DD
197	33N09E356GMCGUIRE WELL AND PUMP	LOCKPORT	1205995121699145 L	CM
197	33N09E356DOSBORNE A	LOCKPORT	0717973023742125 L	DD
197	33N09E357EFROST M	NORRIS	1016973021144105 L	DD
197	33N09E357GDITTON W	WILL DUPAGE CO	1120976054865100 L	DD
197	33N09E358HHUNT R	WILL DUPAGE CO	0407976046341605 L	DD
197	33N09E36 ADAMS W	REED	0000923 56 L	DD
197	33N09E36 BORTHE W	WILL DUPAGE CO	0316975036444100 L	DD
197	33N09E36 CARTERFIELD M	DREHER	0000934 75 L	DD
197	33N09E36 CARTERFIELD M	DREHER	0000943 75 L	DD
197	33N09E36 FRANKLIN J		0000934 24 L	DD
197	33N09E36 MORECRAFT D	KNIERIM	071697706349765 L	DD
197	33N09E36 OBRIEN H	DREHER	0000943 75 L	DD
197	33N09E36 OSBORNE K	SCHIFFMAN	0000905 80 L	DD
197	33N09E36 STAHL W	SCHIFFMAN	0000912 125 L	DD
197	33N09E365ABOITH W	SHOEMAKER	0722971011628L. L	DD
197	33N09E365DBLENNY D	ANDERSON	0400947 60 L	DD
197	33N09E365EPILCHER B	ANDERSON	0723944 50 L	DD
197	33N09E366ABERNETT BLDRS	NORRIS	0301973021489523 L	CM
197	33N09E366CFERGUSON E	PRAIRIE	0500970009585446 L	DD
197	33N09E366DHOWARD L	PRAIRIE	0715970009588442 L	DD
197	33N09E366GVANWRINKLES A	NORRIS	0501974029522901 L	DD
197	33N09E366ESMITH P	ANDERSON	1200941 63 L	DD
197	33N09E367CPOLERMO J	NORRIS	1211973026535110 L	DD
197	33N09E367DEVANS D	NORRIS	0720973024019103 L	DD
197	33N09E367DMANLEY W	KNIERIM	0803973023498540 L	DD
197	33N09E368EBADA R	LOCKPORT	0928973023491 545 L	DD
197	33N09E368EVORAK G	LOCKPORT	0805974023490620 L	DD
197	33N09E40		0000903 532 C	DD
197	33N10E01 HAYDEN SCHOOL DIST 67	DREHER	1200939 77 L	DD
197	33N10E018AHAYDEN SCHOOL DIST67		0000940 130 C	DD
19723357	33N10E03BHILLINI CONS CLUB	LOCKPORT	0417985117286155 L	CM
197	33N10E051GCAVANAUGH J	CUMMINGS	0000934 72 C	DC
197	33N10E06 WURTZ W	DREHER	0000934 140 L	DD
197	33N10E07 JACKSON A	DITTMEYER	0000934 92 L	DD
197	33N10E078AMORGAN	DREHER	0000939 140 C	DD
197	33N10E09 ELWOOD ORD PLANT		0000941 1645L	CM
197	33N10E09 ELWOOD ORDANCE PLANT		0000941 1672L	CM
197	33N10E10 ELWOOD ORD PLANT	GEIGER	0000941 834 L	CM
197	33N10E106ABLOSS H		0000934 190 C	DC
197	33N10E11 MILLER F	DREHER	0000940 120 L	DD
197	33N10E1195SIPVEY L	ANDERSON	0716942 115 L	DD
197	33N10E131CQUIGLEY M	KNIERIM	1027971015060200 L	DD
197	33N10E134QUIGLEY F	KNIERIM	0516780621684140 L	DD
197	33N10E1510DSUTACHMAN F	DITTMEYER	0000940 1?3 C	DD
197	33N10E153HJAOYEGA	DITTMEYER	0000934 80 L	DD
197	33N10E155FBLOSS H	DREHER	0000940 140 C	DD
197	33N10E16 ERICSON K	WILL DUPAGE CO	0717976015104[illegible] L	DC

197	33N10E171ABURNEY(RICHARDS R)		0000940	100 D	DD
197	33N10E181DJAHNKE E	STONEBERGER	102097405374521	00 L	DD
197	33N10E185HLEMAMGER J	JENSEN	101597906023817	5 L	DD
197	33N10E1990CHANEY E	ANDERSON	06.9899	309 L	DD
197	33N10E19BHLEMENAGER J	JENSEN	102097908023912	0 L	DD
197	33N10E19 COLLINS R	SMITH	0000945	72 L	DD
197	33N10E191HBARRY	DITTMEYER	0000920	47 D	DD
1972948	33N10E201HDEEZEE Y	WILL DUPAGE CO	061298710112275	L	DD
197	33N10E202BKERR D	LOCKPORT	122397407528610	5 L	DD
197	33N10E202BLUDDEN E	LOCKPORT	121497403450812	5 L	DD
197	33N10E202BRABBINS D	LOCKPORT	122197403528510	5 L	DD
1972884	33N10E208AMCGUIRE WELL AND PUMP	LOCKPORT	051498612370238	L	CM
1972884	33N10E208AMCGUIRE WELL AND PUMP	LOCKPORT	051498612370328	L	DM
197	33N10E21 MCDOWELL A	DREHER	0000942	53 L	DD
197	33N10E21 SCHOOL(CAVANAUGH)	DREHER	0000959	125 L	DD
197	33N10E213AHOPPE N	DREHER	0900974	125 L	DD
197	33N10E218AWHITTEN J	ANDERSON	0404894	165 L	DD
197	33N10E22 DIXON	DREHER	0000956	91 L	DD
197	33N10E22 MACKENDER J	DREHER	0000942	120 L	DD
197	33N10E22 MILLING H	DREHER	0000958	91 L	DD
197	33N10E22 REILS F	WILLS	0000947	61 L	DD
197	33N10E22 RENCHEN F	DREHER	0000942	118 L	DD
197	33N10E22 WHALEN J	DREHER	0000942	117 L	DD
197	33N10E22 WHALLEN	DREHER	0000942	124 L	DD
197	33N10E221EGARDNER W	KNIERIM	070597807645810	0 L	DD
197	33N10E23 BASKERVILLE D	DREHER	0000942	140 L	DD
197	33N10E23 BASKERVILLE R	DREHER	0000940	86 L	DD
197	33N10E23 CAREY L	DREHER	0000943	127 L	DL
197	33N10E238DHILTON A	DITTMEYER	0000920	84 LD	DD
197	33N10E238EBURMASTER E	KNIERIM	042497807006810	0 L	DD
197	33N10E24 RINK	DREHER	0000958	104 L	DD
197	33N10E251ALONG E	LOCKPORT	041297406671512	5 L	DD
197	33N10E254DHERBST BIDAN HOLE	WILL DUPAGE CO	11199740240	86 LY	DD
197	33N10E261HPHELAN D	WILL DUPAGE CO	102797909092817	0 L	DD
197	33N10E278HBASKERVILLE A	CUMMINGS	000940	110 C	DD
197	33N10E28.DTRI COUNTY WELL AND PUMP	LOCKPORT	032198009306518	5 L	DM
197	33N10E283EKATLINE C	KNIERIM	080097903146217	5 L	DD
197	33N10E29 KELLY E	WILL DUPAGE CO	051297604323916	0 L	DD
197	33N10E297FCHRISTENSON B	LOCKPORT	110697504246464	5 L	DD
197	33N10E298AHANNUM M	LOCKPORT	080197807740618	5 L	DD
197	33N10E298EMCGOWEN R	LOCKPORT	102598011004318	0 L	DD
197	33N10E298FWILLIS W	LOCKPORT	110497004246312	5 L	DD
197	33N10E298HFOY R	LOCKPORT	071497604902364	5 L	DD
197	33N10E30 LOVELL F	DREHER	0000941	110 L	DD
197	33N10E301BRHODES J	KNIERIM	061397909660012	0 L	DD
197	33N10E301DTRI COUNTY WELL AND PUMP	LOCKPORT	060197908604860	5 L	DD
197	33N10E301HYEDLIN J	LOCKPORT	050198411435295	L	DD
197	33N10E301HAIML L	DILANEY	052997201784590	L	DD
197	33N10E308DWILSON E	KNIERIM	050597908341180	L	DD
197	33N10E31 CRIGHTON E	WILL DUPAGE CO	120596210589562	5 L	DD
197	33N10E31 BIROT L	KNIERIM	060197705970562	0 L	DD
197	33N10E31 RIVER CITY REALITY	WILL DUPAGE CO	080797303987861	0 L	DM
197	33N10E314AHILL R	KNIERIM	051397009612620	L	DD
197	33N10E315DHUNT W	DILANEY	0000965	120 L	DD
197	33N10E315DCRIPE K	WILL DUPAGE CO	070979087476610	L	DD
197	33N10E315DBRINK J	NORRIS	040378507612162	5 L	DD
197	33N10E316BCIESIEM D	KNIERIM	101597706520716	0 L	DD
197	33N10E316BSTEPHENS J	NORRIS	010974022159	07 L	DD
197	33N10E32		0000927	30 D	DD

197	33N10223	BASKERVILLE A	DITTMEYER	0000941	272 L	DD
197	33N10233	DJOHNSON C	HARPER	0000938	190 D	DD
197	33N10234	OBRIEN J	SPEHER	0000943	[illegible] L	DD
197	33N10234	3EBPANGLER J	WILL DUPAGE CO	1029977068036190	L	DD
197	33N10E34	BHSCHUMACHER P	WILL DUPAGE CO	0920976052100190	L	DD
197	33N10E35	LUEHRS	DREHER	0000943	112 L	DD

City Wilmington Township County Will

Section 26 Twp. No. 33 N. Range 9 E.

Location (in feet from section corner) 530 ft. N. & 1456 ft. W. of S.E. corner of NE¼ of Sec.

Owner W. J. Davey Authority W. J. Davey

Contractor not known Address

Date drilled 50 yrs. ago. Elev. above sea level top of well

Depth 22 ft.

Log Soil - 0 ft. to 1½ ft., yellow clay gravel - 1½ ft. to 12½ ft., sand - 12½ ft. to 22 ft.

Were drill cuttings saved Where filed

Size hole 3 ft. diam. If reduced, where and how much

Casing record Brick

Distance to water when not pumping 19 ft. Distance to water is 21 ft.

feet after pumping at 6½ G. P. M. for 10 minutes ~~hours.~~

Reference point for above measurements ground surface

Type of pump Hand pump Distance to cylinder 6 ft.

Length of cylinder 14 in. x 3 in. Length of suction pipe below cylinder 14 ft.

Length stroke 6 in. Speed 35 R.P.M.

Hours used per day House use Type of power Manual

Rating of motor Rating of pump in G. P. M. 6½ G.P.M. @ 35 R.P.M.

Can following be measured: (1) Static water level no

(2) Pumping level no (3) Discharge yes

(4) Influence on other wells none

Temperature of water 43° F. Was water sample collected no.

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder J. R. F. Danzinger

Date Feb. 28, 1934

City Wilmington, Ill. R.F.D. County Will

Section 26 Twp. No. 33 N. Range 9 E.

Location (in feet from section corner) 1050 ft. S. & 1320 ft. W. of N.E. corner of N.E. ¼

Owner W. S. Shepley Authority W. Shepley

Contractor Alex Schiffmann (Deceased) Address Wilmington, Ill.

Date drilled 1902 Elev. above sea level top of well

Depth 59 ft.

Log Onto limestone

Were drill cuttings saved no Where filed

Size hole 4 in. If reduced, where and how much

Casing record not known

Distance to water when not pumping 20 ft. Distance to water is

feet after pumping at G. P. M. for hours.

Reference point for above measurements ground level

Type of pump Hand Distance to cylinder 36 ft.

Length of cylinder 2½ in. x 16 in. Length of suction pipe below cylinder 4 ft.

Length stroke 6 in. Speed 26 R.P.M.

Hours used per day 1½ Type of power Electricity & Hand

Rating of motor 1½ H.P. Rating of pump in G. P. M. 2½

Can following be measured: (1) Static water level no

(2) Pumping level no (3) Discharge yes

(4) Influence on other wells none

Temperature of water 51°F. Was water sample collected no

Date Effect of water on meters, hot water

coils, etc.

Date of Analysis Analysis No.

Recorder L. E. Martin

Date February, 1934

City Wilmington, Ill. R.F.D. County Will

Section 26 Twp. No. 33 N. Range 9 E.

Location (in feet from section corner) 700 ft. N. & 560 ft. W. of S.E. corner of Sec.

Owner Mrs. Miller Authority Mr. R. Barr, Wilmington, Ill.

Contractor not known Address

Date drilled 1890 Elev. above sea level top of well

Depth 35 ft.

Log Sand to Blue clay.

Were drill cuttings saved no Where filed

Size hole 2 ft. dia. If reduced, where and how much

Casing record Stone

Distance to water when not pumping 20 ft. Distance to water is

feet after pumping at G. P. M. for hours.

Reference point for above measurements ground level

Type of pump Hand Distance to cylinder 15 ft.

Length of cylinder 3 in. x 12 in. Length of suction pipe below cylinder 13 ft.

Length stroke 6 in. Speed

Hours used per day Type of power Hand

Rating of motor Rating of pump in G. P. M.

Can following be measured: (1) Static water level no

(2) Pumping level no (3) Discharge yes

(4) Influence on other wells none

Temperature of water 48° F. Was water sample collected no

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder J. E. Martins

Date February 1934

City Wilmington, Ill. R.F.D. County Will

Section 26 Twp. No. 33 N. Range 9E.

Location (in feet from section corner) along north & south hard road – Typical well

Owner Typical Well Authority

Contractor Address

Date drilled Pipe driven by drilling machine Elev. above sea level top of well

Depth about 30 ft.

Log Auto sand gravel & blue clay

Were drill cuttings saved no Where filed

Size hole 1¼ in. If reduced, where and how much

Casing record

Distance to water when not pumping Distance to water is

feet after pumping at G. P. M. for hours.

Reference point for above measurements

Type of pump Hand Distance to cylinder 6 in

Length of cylinder 2½ in. x 12 in. Length of suction pipe below cylinder ± 30 ft.

Length stroke 6 in. Speed

Hours used per day Type of power Hand

Rating of motor Rating of pump in G. P. M.

Can following be measured; (1) Static water level no

(2) Pumping level no (3) Discharge yes

(4) Influence on other wells none

Temperature of water 45°F. Was water sample collected no

Date Effect of water on meters, hot water

coils, etc.

Date of Analysis Analysis No.

Recorder J. E. Martin

Date February 1934.

City Wilmington, Ill. R.F.D. County Will

Section 26 Twp. No. 33N. Range 9E.

Location (in feet from section corner) 1500 ft. N. & 600 ft. W. of S.E. corner of Sec.

Owner Thomas Osborn Authority T Osborne

Contractor not known Address

Date drilled not known Elev. above sea level top of well

Depth 15 ft.

Log Soft gravel

Were drill cuttings saved no Where filed

Size hole 4 ft. diam. If reduced, where and how much

Casing record Stone

Distance to water when not pumping not known Distance to water is

feet after pumping at G. P. M. for hours.

Reference point for above measurements ground level

Type of pump Hand Distance to cylinder 12 ft.

Length of cylinder Length of suction pipe below cylinder 12 in.

Length stroke Speed

Hours used per day 2 Type of power Hand

Rating of motor Rating of pump in G. P. M.

Can following be measured: (1) Static water level no

(2) Pumping level no (3) Discharge yes

(4) Influence on other wells none

Temperature of water 50°F. Was water sample collected no

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder F. E. Martin

Date February

White C
Ill. D... of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 129 ft.
   Curb material ____. Buried Slab: Yes____ No____
   b. Driven ✓. Drive Pipe Diam. 5 in. Depth 60 ft.
   c. Drilled ✓. Finished in Drift____. In Rock____.
   Tubular____. Gravel Packed____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
CEMENT	0	10

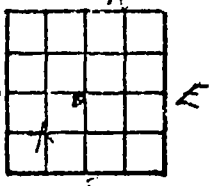
2. Distance to Nearest:
   Building 30 Ft. Seepage Tile Field 80
   Cess Pool none Sewer (non Cast iron)____
   Privy none Sewer (Cast iron)____
   Septic Tank 50 Barnyard none
   Leaching Pit none Manure Pile none
3. Is water from this well to be used for human consumption?
   Yes ✓ No____
4. Date well completed____
5. Permanent Pump Installed? Yes ✓ No____
   Manufacturer____ Type____
   Capacity____gpm. Depth of setting____ft.
6. Well Top Sealed? Yes ✓ No____
7. Pitless Adaptor Installed? Yes ✓ No____
8. Well Disinfected? Yes ✓ No____
9. Water Sample Submitted? Yes ✓ No ✓

REMARKS: Home owner put Pump in

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Lester Crawford Well No. [illegible]
    Address Route 1 Box 283, Wilmington Ill.
    Driller Leonard Shoemaker License No. 42-325
11. Permit No. 13246 Date____
12. Water from LIMESTONE Formation 13. County Will
    at depth 90 to 129 ft. Sec. 20
    14. Screen: Diam.____in. Twp. 33N
    Length:____ft. Slot____ Rge. 10E
    Elev.____



SHOW LOCATION IN SECTION PLAT
NE SW SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Galv 15.00	0	60

16. Size Hole below casing: 5 in.
17. Static level 63 ft. below casing top which is 2 ft. above ground level. Pumping level 85 ft. when pumping at 360 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
EARTH MANTLE	30	30'
BLUE SHALE	30	60'
LIMESTONE	60	129'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Leonard Shoemaker DATE 8-2-71

City Wilmington, Ill. R.F.D. County Will

Section 27 Twp. No. 33 N. Range 9 E.

Location (in feet from section corner) 600 ft. S. & 750 ft. E. of N.W. corner of S.W. ¼ Sec.

Owner B. Kurth Authority Mr. Cummings

Contractor Mr. Cummings Address Gardner, Ill.

Date drilled Aug. 1931 Elev. above sea level top of well

Depth 172 ft.

Log Soil 0 ft. to 47 ft., 47 ft. to 108 ft. - Maquoketa; limestone - 108 to 158 ft.; 158 ft. Drab shale - 158 ft to 172 ft., sandy limestone.

Were drill cuttings saved no Where filed

Size hole 4½ in. If reduced, where and how much

Casing record 0 ft. to 58 ft. - 4½ pipe

Distance to water when not pumping 15 ft. Distance to water is 15 ft.

feet after pumping at 2½ G. P. M. for 2 hours.

Reference point for above measurements ground level

Type of pump Hand Distance to cylinder 150 ft.

Length of cylinder 3 in. X 12 in. Length of suction pipe below cylinder 18 ft.

Length stroke 6 in. Speed

Hours used per day 1 Type of power Hand

Rating of motor Rating of pump in G. P. M. 2½

Can following be measured: (1) Static water level no

(2) Pumping level no (3) Discharge yes

(4) Influence on other wells none

Temperature of water 50° F. Was water sample collected no

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder J. E. Martin

Date February 1934

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 225 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. _____ in. Depth _____ ft.
   c. Drilled X. Finished in Drift _____. In Rock X.
   Tubular _____. Gravel Packed _____.
   d. Grout:

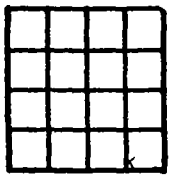
(KIND)	FROM (Ft.)	TO (Ft.)
Cuttings	0	6?

2. Distance to Nearest:
   Building 30 Ft. — Seepage Tile Field _____
   Cess Pool _____ — Sewer (non Cast iron) _____
   Privy _____ — Sewer (Cast iron) _____
   Septic Tank 65 — Barnyard _____
   Leaching Pit _____ — Manure Pile _____
3. Well furnishes water for human consumption? Yes X No_____
4. Date well completed 8/20/79
5. Permanent Pump Installed? Yes X Date 8/20/79 No_____
   Manufacturer StaRite Type Subm Location in well
   Capacity 15 gpm. Depth of Setting 160 Ft.
6. Well Top Sealed? Yes X No_____ Type Williams Cap
7. Pitless Adapter Installed? Yes X No_____
   Manufacturer Williams Model Number B50AC
   How attached to casing? Locknut
8. Well Disinfected? Yes X No_____
9. Pump and Equipment Disinfected? Yes X No_____
10. Pressure Tank Size 2-40 gal. Type Well X Trol
    Location Well house
11. Water Sample Submitted? Yes_____ No X

REMARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Dewey Thomas Well No. _____
    Address Strip Mine Rd Wilmington, Ill
    Driller Marvin Nice License No. 102 002458
11. Permit No. 28782 Date 8/16/79
12. Water from Shale Rock (Formation)
    at depth 22 to 225 ft.
13. County Will
    Sec. 27aa
    Twp. 33N
    Rge. 9E
    Elev. _____



SHOW LOCATION IN SECTION PLAT
SW SE SE

14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Black Steel	0	6?
	15 lbs per ft		

16. Size Hole below casing: 5 in.
17. Static level 6 ft. below casing top which is 1 ft. above ground level. Pumping level 160 ft. when pumping at 10 gpm for ½ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	13	13
Sand & Gravel	8	21
Shale Rock	214	225

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE 1/17/80

IDPH 4.065
1/74 – KNB-1

White Copy — Ill. Dept. of Pu[illegible] Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

INSTRUCTIONS TO [illegible]ERS

FILL IN ALL PERTINENT INFORMATION REQUEST AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 600 ft.
      Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled ____. Finished in Drift ____. In Rock ____.
      Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
Limestone	0	300'

2. Distance to Nearest:
   Building 40 Ft. Seepage Tile Field 110
   Cess Pool none Sewer (non Cast iron) 80
   Privy none Sewer (Cast iron) 80
   Septic Tank 90 Barnyard none
   Leaching Pit none Manure Pile none
3. Is water from this well to be used for human consumption?
   Yes X No ____
4. Date well completed Feb 3 - 1974
5. Permanent Pump Installed? Yes X No ____
   Manufacturer Reda Type 23D9P1515[illegible]
   Capacity 405 gpm. Depth of setting 315 ft.
6. Well Top Sealed? Yes X No ____ Watertite C4 Baker Monitor seal
7. Pitless Adaptor Installed? Yes X No ____ Baker Monitor snappy adapter kit attached to casing by clamp
8. Well Disinfected? Yes X No ____
9. Water Sample Submitted? Yes ____ No X

REMARKS: 42 gal WX 202 pressure tank located in basement

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner James Ashcraft Well No. ____
    Address R.1 Wilmington (Soldier Widows Road)
    Driller Marvin C Norris License No. 102-41
11. Permit No. 24632 Date Aug 5, 1973
12. Water from SAND (Formation) at depth 585 to 600 ft.
13. County Will
    Sec. 27 34 Twp. 33N Rge. 9E Elev. ____
14. Screen: Diam. ____ in. Length: ____ ft. Slot ____
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	Sch-40		
	Galv	1	300'

SHOW LOCATION IN SECTION PLAT
NE NW NE

16. Size Hole below casing: 5" in.
17. Static level 285 ft. below casing top which is 1 ft. above ground level. Pumping level 285 ft. when pumping at 20 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Earth [illegible]	0	15'
clay	15	40'
shale	40	240'
Limestone	240	480'
SAND	285	600'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [illegible] DATE Feb 9 1974

1. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, DIVISION OF CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON STREET, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 125 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. _____ in. Depth _____ ft.
   c. Drilled _____. Finished in Drift _____. In Rock _____.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
cuttings	0	42

2. Distance to Nearest:
   Building 25 Ft. — Seepage Tile Field 75
   Cess Pool _____ — Sewer (non Cast iron) _____
   Privy _____ — Sewer (Cast iron) _____
   Septic Tank _____ — Barnyard _____
   Leaching Pit _____ — Manure Pile _____
3. Well furnishes water for human consumption? Yes x No_____
4. Date well completed 10-15-79
5. Permanent Pump Installed? Yes x Date 10-16-79 No_____
   Manufacturer Gould Type Subm Location in well
   Capacity 10 gpm. Depth of Setting 120 Ft.
6. Well Top Sealed? Yes x No____ Type Williams Cap
7. Pitless Adapter Installed? Yes x No_____
   Manufacturer Williams Model Number B50AC
   How attached to casing? locknut
8. Well Disinfected? Yes x No_____
9. Pump and Equipment Disinfected? Yes x No_____
10. Pressure Tank Size 42 gal. Type Well-X-Trol
    Location by well
11. Water Sample Submitted? Yes_____ No x

REMARKS: Owner instructed to take sample.

IDPH 4.065
1/74 – KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Paul Johnson Well No. _____
    Address P.O. Box 364 Wilmington, Il.
    Driller Will-DuPage Drilling License No. 102-000445
11. Permit No. 90543 Date 10-12-79
12. Water from Limestone (Formation) 13. County Will
    at depth _____ to _____ ft.
    Sec. 35.
    Twp. 33N
    Rge. 9E
    Elev. _____
14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____

SHOW LOCATION IN SECTION PLAT
SW SE NW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Black Steel 14.98	0	42

16. Size Hole below casing: 5 in.
17. Static level 100 ft. below casing top which is 1 ft. above ground level. Pumping level 100 ft. when pumping at 10 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay & Gravel	42	42
Limestone	83	125

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE 10-16-79

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 125 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. 5 in. Depth 56 ft.
   c. Drilled X. Finished in Drift _____. In Rock X.
   Tubular _____. Gravel Packed _____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building [illegible] Ft. Seepage Tile Field 75
   Cess Pool _____ Sewer (non Cast iron) _____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank 50' Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Is water from this well to be used for human consumption?
   Yes X No_____
4. Date well completed 7/17/73
5. Permanent Pump Installed? Yes X No_____
   Manufacturer BARNES Type SUBMERSIBLE
   Capacity 10 gpm. Depth of setting 60 ft.
6. Well Top Sealed? Yes X Wellcaps Vermin proof cast No_____
7. Pitless Adaptor Installed? Yes X Wellcaps attached to casing No_____ by compression gasket connection
8. Well Disinfected? Yes X No_____
9. Water Sample Submitted? Yes_____ No X

REMARKS: 42 gal galv. pressure tank located in house

IDPH 4.065
10-72
KNB-1

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner ART OSBORNE Well No. 1
    Address LEMINGTON, ILL.
    Driller CHARLES FYKES License No. 23
11. Permit No. 23742 Date 6/21/73
12. Water from LIMESTONE Formation 13. County WAYNE
    at depth 51 to 125 ft.
    Sec. 35
    Twp. 3S
    Rge. 9E
    Elev. _____
14. Screen: Diam. _____ in.
    Length: _____ ft. Slot _____
15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	A-53 15 lbs	0'	56'

SHOW LOCATION IN SECTION PLAT
SW NE NW

16. Size Hole below casing: 5 in.
17. Static level 40 ft. below casing top which is +1 ft. above ground level. Pumping level 40 ft. when pumping at 10 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
SAND & GRAVEL	56'	56'
LIMESTONE	2'	58'
SHALE	27'	85'
LIMESTONE	40'	125'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Charles Fykes DATE 7/31/73

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUIRED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 122 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven_____. Drive Pipe Diam._____in. Depth_____ft.
   c. Drilled x. Finished in Drift_____. In Rock x.
   Tubular_____. Gravel Packed_____.
   d. Grout:

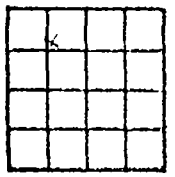
(KIND)	FROM (Ft.)	TO (Ft.)
cuttings	0	76

2. Distance to Nearest:
   Building _____ Ft. Seepage Tile Field 75
   Cess Pool_____ Sewer (non Cast iron)_____
   Privy _____ Sewer (Cast iron) _____
   Septic Tank 50 Barnyard _____
   Leaching Pit _____ Manure Pile _____
3. Well furnishes water for human consumption? Yes x No_____
4. Date well completed July 16, 1978
5. Permanent Pump Installed? Yes x Date 7-17-78 No_____
   Manufacturer Red Jacket Type subm. Location well
   Capacity 30 gpm. Depth of Setting 80 Ft.
6. Well Top Sealed? Yes x No_____ Type _____
7. Pitless Adapter Installed? Yes x No_____
   Manufacturer Williams Model Number _____
   How attached to casing? bolted
8. Well Disinfected? Yes x No_____
9. Pump and Equipment Disinfected? Yes x No_____
10. Pressure Tank Size 82 gal. Type galv.
    Location basement
11. Water Sample Submitted? Yes_____ No x

REMARKS: Owner instructed to do so

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Lee Cotham Well No._____
    Address Route # 4, Box 302 Wilmington, Illinois
    Driller Paul Knuckerim License No. 102-29
11. Permit No. 76837 Date July 14, 1978
12. Water from Rock (Formation)
    at depth 40 to 122 ft.
13. County Will
    Sec. 35
    Twp. 33N
    Rge. 9E
    Elev._____
14. Screen: Diam._____in.
    Length:_____ft. Slot_____



SHOW LOCATION IN SECTION PLAT
SW 1/4 SE 1/4

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	comp. #Sch 40	0	76

16. Size Hole below casing: 5 in.
17. Static level 40 ft. below casing top which is 2 ft. above ground level. Pumping level 80 ft. when pumping at 30 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay & gravel	0	76
Rock	76	122

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE 7-21-78

IDPH 4.065
1/74 – KNB-1
(59571—12½M Sets—6-74)

White Copy – Ill. Dept. of Pu..c Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL /WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 105 ft.
   Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ____. Drive Pipe Diam. ____ in. Depth ____ ft.
   c. Drilled ____. Finished in Drift ____. In Rock ____.
   Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 26 Ft. Seepage Tile Field 180
   Cess Pool none Sewer (non Cast iron) 65
   Privy none Sewer (Cast iron) 65
   Septic Tank 75 Barnyard None
   Leaching Pit none Manure Pile None
3. Is water from this well to be used for human consumption? Yes X No ____
4. Date well completed 10-16-1973
5. Permanent Pump Installed? Yes X No ____
   Manufacturer Red Jacket Type 50WY-98C-2
   Capacity 570 gpm. Depth of setting 80 ft.
6. Well Top Sealed? Yes X No ____ Baker water tite c 4 seal
7. Pitless Adaptor Installed? Yes X No ____ Baker monitor snappy attached to casing by clamps
8. Well Disinfected? Yes X No ____
9. Water Sample Submitted? Yes ____ No X

REMARKS: 42 gal W x 202 pressure tank located in house

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Melvin L. Frost Well No. ____
    Address RR 3 ?? Wilmington Ill ?
    Driller MARVIN G NORRIS License No. ???-41
11. Permit No. 21144 Date 11-29-1973
12. Water from Limestone (Formation) at depth 70 to 105 ft.
13. County Will
    Sec. 35 Twp. 33 N Rge. 9 E Elev. ____
14. Screen: Diam. ____ in. Length: ____ ft. Slot ____

SHOW LOCATION IN SECTION PLAT: NE SW SW

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	30h-40		
	Cased	18"	46

16. Size Hole below casing: 5 in.
17. Static level 50 ft. below casing top which is 18" ft. above ground level. Pumping level 60 ft. when pumping at 10 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Earth Marble	0	46
Shale	46 -	70
Limestone	70	100'
Shale	100'	105"

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Marvin G Norris DATE 10-19-1973

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

IIUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, BUREAU OF ENVIRONMENTAL HEALTH, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62701. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ___. Bored ___. Hole Diam. 5 in. Depth 620 ft.
      Curb material ___. Buried Slab: Yes ___ No 127
   b. Driven ___. Drive Pipe Diam. 5 in. Depth ___ ft.
   c. Drilled X. Finished in Drift ___. In Rock X.
      Tubular ___. Gravel Packed ___.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:
   Building 20 Ft. Seepage Tile Field 75
   Cess Pool ___ Sewer (non Cast iron) ___
   Privy ___ Sewer (Cast iron) ___
   Septic Tank 50 Barnyard ___
   Leaching Pit ___ Manure Pile ___
3. Is water from this well to be used for human consumption?
   Yes X No ___
4. Date well completed 8/9
5. Permanent Pump Installed? Yes X No ___
   Manufacturer Barnes Type Submersible
   Capacity 10 gpm. Depth of setting 315 ft.
6. Well Top Sealed? Yes X Williams Vermin Proof seal No ___
7. Pitless Adaptor Installed? Yes X Williams attached to casing No by compression
8. Well Disinfected? Yes X No Gasket connection
9. Water Sample Submitted? Yes ___ No X

REMARKS: 201 WXT pressure tank located in house

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Dick York Well No. 1
    Address [illegible]
    Driller [illegible] License No. [illegible]
11. Permit No. 23490 Date [illegible]
12. Water from [illegible] Formation Sandstone 13. County Will
    at depth 127 to 620 ft.
    Sec. 36
    Twp. 33N
    Rge. 9E
    Elev. ___
14. Screen: Diam. ___ in.
    Length: ___ ft. Slot ___
15. Casing and Liner Pipe

Diam. (in)	Kind and Weight	From (Ft.)	To (Ft.)
5"	A-53 15#	0'	127'

SHOW LOCATION IN SECTION PLAT
SW SW NW

16. Size Hole below casing: 5 in.
17. Static level 125 ft. below casing top which is +1 ft. above ground level. Pumping level 222 ft. when pumping at 20 gpm for 1 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay & Gravel	127'	127'
Limestone	468'	595'
Sandstone	35'	620'

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE 8/13/74

IDPH 4.065
10-72
KNB-1

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug ____. Bored ____. Hole Diam. 5 in. Depth 61 ft.
      Curb material ____. Buried Slab: Yes ____ No ____
   b. Driven ✓. Drive Pipe Diam. 5 in. Depth 25 ft.
   c. Drilled ✓. Finished in Drift ____. In Rock ____.
      Tubular ____. Gravel Packed ____.
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
CEMENT	0	10

2. Distance to Nearest:
   Building 30 Ft.   Seepage Tile Field 100 ft.
   Cess Pool none   Sewer (non Cast iron) none
   Privy none   Sewer (Cast iron) none
   Septic Tank 75 ft.   Barnyard none
   Leaching Pit none   Manure Pile none
3. Is water from this well to be used for human consumption? Yes ✓ No ____
4. Date well completed July 22, 1971
5. Permanent Pump Installed? Yes ✓ No ____
   Manufacturer Reda Type [illegible]
   Capacity [illegible] gpm. Depth of setting 30 ft.
6. Well Top Sealed? Yes ✓ No ____
7. Pitless Adaptor Installed? Yes ✓ No ____
8. Well Disinfected? Yes ✓ No ____
9. Water Sample Submitted? Yes ____ No ✓

REMARKS:

IDPH 4.065
10/68

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner William Roth Well No. ____
    Address 1735 [illegible] Drive, [illegible], Ill.
    Driller Leonard Shoemaker License No. 57-[illegible]
11. Permit No. 11623 Date July [illegible]
12. Water from GRAVEL (Formation) at depth 59 to 61 ft.
13. County [illegible] Sec. 26 Twp. 33N Rge. 12 E Elev. ____
14. Screen: Diam. ____ in. Length: ____ ft. Slot ____

SHOW LOCATION IN SECTION PLAT

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5"	[illegible]	10"	[illegible]

16. Size Hole below casing: 5 in.
17. Static level 12 ft. below casing top which is 2 ft. above ground level. Pumping level 30 ft. when pumping at 4.20 gpm for 1 hours.

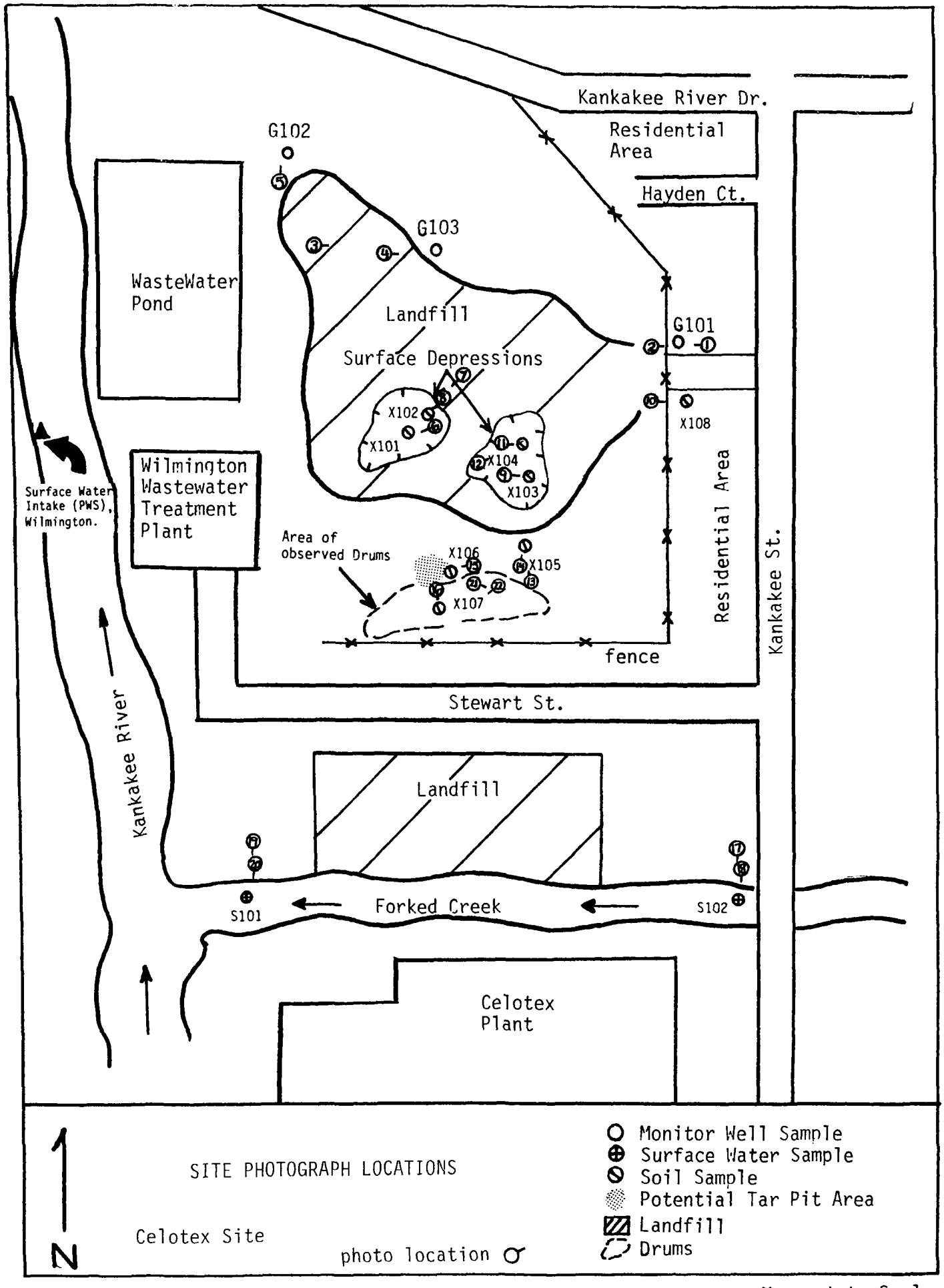
18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
TOP SOIL	2 ft	2
SAND	17 ft	19
GRAVEL	6 ft	25
BLUE SHALE	34 ft	59
GRAVEL	2 ft	61

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Leonard Shoemaker DATE 8-2-71

APPENDIX F

IEPA SITE PHOTOGRAPHS


Kankakee River Dr.
Residential Area
Hayden Ct.
G102
G103
G101
WasteWater Pond
Landfill
Surface Depressions
X102
X101
X104
X103
X108
X106
X105
X107
Area of observed Drums
fence
Residential Area
Kankakee St.
Surface Water Intake (PWS), Wilmington.
Wilmington Wastewater Treatment Plant
Stewart St.
Kankakee River
Landfill
S101
Forked Creek
S102
Celotex Plant
N
SITE PHOTOGRAPH LOCATIONS
Celotex Site
photo location
Monitor Well Sample
Surface Water Sample
Soil Sample
Potential Tar Pit Area
Landfill
Drums
Map not to Scale

Well File
Office Copy
5809

TOWN TOWNSHIP Wilmington R. 9E
COMPANY T. H. Smith NO. T. SEC.
FARM O'Brien, Thos. J. NO. 33N 23
DATE DRILLED 1945
AUTHORITY T. H. Smith
COLLECTOR ELEVATION 565 TM
825' N. line, 1650' E. line of SE

No.	Strata	Thickness Feet	Thickness In.	Depth Feet	Depth In.
	Overburden	5		5	
	Gravel	10		15	
	Blue clay	15		30	
	Cross between limestone & shale	70		100	
	Shale	84		184	
	Galena system of limestone	216		400	
	Total depth			400	
	44½' of 6" casing				
	Static water level 125'				
	Estimated flow 3 g.p.m.				
	Slight mixture of sulphur water.				

COUNTY Will 23-33N-9E
SAMPLE SET NO.
(84107—20M—6-45) 2 ILLINOIS GEOLOGICAL SURVEY, URBANA

White Copy – Ill. Dept. of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
WELL CONSTRUCTION REPORT

1. Type of Well
   a. Dug____. Bored____. Hole Diam. 5 in. Depth 585 ft.
   Curb material _____. Buried Slab: Yes_____ No_____
   b. Driven _____. Drive Pipe Diam. _____in. Depth _____ft.
   c. Drilled _____. Finished in Drift _____. In Rock _____.
   Tubular _____. Gravel Packed _____.
   d. Grout:

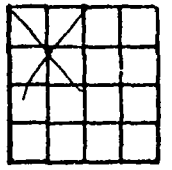
(KIND)	FROM (Ft.)	TO (Ft.)
cuttings	0	95

2. Distance to Nearest:
   Building 25 Ft. — Seepage Tile Field 75
   Cess Pool _____ — Sewer (non Cast iron) _____
   Privy _____ — Sewer (Cast iron) _____
   Septic Tank _____ — Barnyard _____
   Leaching Pit _____ — Manure Pile _____
3. Well furnishes water for human consumption? Yes X No_____
4. Date well completed 11-14-78
5. Permanent Pump Installed? Yes X Date _____ No_____
   Manufacturer Gould Type Subm Location in well
   Capacity 10 gpm. Depth of Setting 500 Ft.
6. Well Top Sealed? Yes X No____ Type Williams Cap
7. Pitless Adapter Installed? Yes X No_____
   Manufacturer Williams Model Number B50AC
   How attached to casing? locknut
8. Well Disinfected? Yes X No_____
9. Pump and Equipment Disinfected? Yes X No_____
10. Pressure Tank Size 80 gal. Type Well-X-Trol
    Location N side of basement
11. Water Sample Submitted? Yes_____ No X

REMARKS: Owner instructed to take sample.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Larry Surges Well No. _____
    Address R.R. #1 Manhattan
    Driller Will-DuPage Drilling License No. 102-000-445
11. Permit No. 80241 Date 10-3-78
12. Water from limestone Formation 13. County Will
    at depth _____ to _____ ft. Sec. 23
14. Screen: Diam. _____ in. Twp. 33N
    Length: _____ ft. Slot _____ Rge. 9E
    Elev. _____



15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Black Steel 14.98	0	95

SHOW LOCATION IN SECTION PLAT
Lot 1, Old River Road Subd., NE

16. Size Hole below casing: 5 in.
17. Static level 500 ft. below casing top which is 1 ft. above ground level. Pumping level 500 ft. when pumping at 10 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay and Gravel	95	95
Limestone	~~588~~ ~~585~~ 490	585

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Donald Roe DATE 12-26-78

IDPH 4.065
1/74 – KNB-1

White & [illegible]nk Copies:
Ill. D[illegible] of Public Health
Yellow Copy: Well Contractor
Golden Copy: Well Owner

Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

1. Type of Well
   a. Bored____ Hole Diam. 5 in. Depth 380 ft
   Buried Slab: Yes__ No__
   b. Driven____ Drive Pipe Diam.____in. Depth____ft
   c. Drilled X Finished in Drift____ In Rock X
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)
cuttings		

2. Well furnishes water for human consumption? Yes X No___
3. Date well drilled 8-31-89
4. Permanent pump installed? Yes X Date 9-1-89 No___
   Manufacturer Sulta Type Sub
   Location Well
   Capacity 20 gpm. Depth of setting 240 ft.
5. Well top sealed? Yes X No___ Type_____
6. Pitless adapter installed? Yes X No___
   Manufacturer Williams Model No._____
   How attached to casing? Bolted
7. Well disinfected? Yes X No___
8. Pump and equipment disinfected Yes X No___

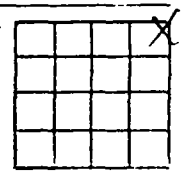
IMPORTANT NOTICE
This State Agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosiure of this information is mandatory. This form has been approved by the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE
Do Not Use Felt Pen

IL482-0126

GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller Phil Kniesing License No. 102-000841
10. Well Site Address Lot #2 3041 Kankakee, Wilmington
11. Property Owner Larry Carr Well No._____
12. Permit No. 014813 Date Issued 8-31-89
13. Location: County Will
    Sec. 23.1/4
    Twp. 33N
    Rge. 9E



Show location in section plat
NE NE NE
Lot #1

14. Water from Rock at depth 280 ft to 380 ft

15. Casing and Liner Pipe

Diam.(in)	Kind and Weight	From (ft)	To (ft)
5	PVC	0	72

16. Screen: Diam.___in, Length___in, Slot Size___
17. Size hole below casing 4 3/4 in. 18. Ground Elev._____ ft msl.
19. Static level 228 ft below casing top which is 1 ft. above ground level. Pumping level 340 ft, pumping gpm for 4 hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
Soil	0	3
Sand Gravel	3	15
Clay	15	72
Rock	72	90
Shale	90	200
Rock	200	380

Continue on separate sheet if necessary.

Signed Phil Kniesing Date 9-8-89

White [illegible]ink Copies:
Ill. [illegible]. of Public Health
Yellow [illegible]py: Well Contractor
Golden Copy: Well Owner

Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

1. Type of Well
   a. Bored____ Hole Diam.____in. Depth____ft
   Buried Slab: Yes___ No___
   b. Driven____ Drive Pipe Diam.____in. Depth____ft
   c. Drilled X Finished in Drift____ In Rock____
   d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

2. Well furnishes water for human consumption? Yes X No___
3. Date well drilled 7-18-89
4. Permanent pump installed? Yes X Date____ No___
   Manufacturer Red Jet Type SUB
   Location well
   Capacity 14 gpm. Depth of setting 80 ft.
5. Well top sealed? Yes X No___ Type____
6. Pitless adapter installed? Yes X No___
   Manufacturer Martinson Model No.____
   How attached to casing? Mechanical
7. Well disinfected? Yes X No___
8. Pump and equipment disinfected Yes X No___

IMPORTANT NOTICE

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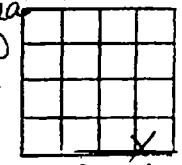
PRESS FIRMLY WITH BLACK PEN OR TYPE
Do Not Use Felt Pen

IL482-0126

GEOLOGICAL AND WATER SURVEYS WELL RECORD

9. Driller Frank Sharpe License No. 102-00177
10. Well Site Address 311th - St. Beecher
11. Property Owner VanDerAa Constn Well No.____
12. Permit No. 013048 Date Issued 7-18-89
13. Location: County Will
    Sec. 23.2a
    Twp. 33N
    Rge. 14E



Show location in section plat

SW SE SE

14. Water from limestone at depth 135 ft to 180 ft

15. Casing and Liner Pipe

Diam.(in)	Kind and Weight	From (ft)	To (ft)
5	SDR 21 PVC	0	135

16. Screen: Diam. 5 in, Length____in, Slot Size____
17. Size hole below casing____in. 18. Ground Elev.____ ft msl.
19. Static level____ft below casing top which is 1 ft. above ground level. Pumping level ____ft, pumping gpm for ____ hours.

20. Earth Materials Passed Through	Depth of Top	Depth of Bottom
Clay	0	135
Limestone	135	180

Continue on separate sheet if necessary.

Signed Frank Sharpe Date 8-23-89

City Wilmington, Ill. R.F.D. County Will

Section 24 Twp. No. 33 N. Range 9 E.

Location (in feet from section corner) 1550 ft. S. of N. Sec. line + 600 ft. E. of W. Sec. line.

Owner J. Kelly Authority J. Kelly

Contractor not known Address

Date drilled not known Elev. above sea level top of well

Depth 20 ft.

Log Onto Gravel

Were drill cuttings saved no Where filed

Size hole 4 ft. diam. If reduced, where and how much Dug to 20 ft.

Casing record 0 ft. to 19 ft. - stone

Distance to water when not pumping 18 ft. Distance to water is

feet after pumping at G. P. M. for hours.

Reference point for above measurements ground level

Type of pump Hand Distance to cylinder 18 ft.

Length of cylinder 2½ in. x 16 in. Length of suction pipe below cylinder 12 in.

Length stroke 6 in. Speed

Hours used per day ½ Type of power Hand

Rating of motor Rating of pump in G. P. M. 3

Can following be measured: (1) Static water level no

(2) Pumping level no (3) Discharge yes

(4) Influence on other wells none

Temperature of water 50° F. Was water sample collected no

Date Effect of water on meters, hot water

coils, etc.

Date of Analysis Analysis No.

Recorder J. E. Martin

Date February 1934

City Wilmington, Ill. R.F.D. County Will

Section 24 Twp. No. 33 N. Range 9E.

Location (in feet from section corner) 100 ft. N. of S. Sec. line & 1900 ft. E. of W. Sec. line

Owner Tom Newman Authority T. Newman

Contractor not known Address

Date drilled 1905 Elev. above sea level top of well

Depth 21 ft.

Log Sand & gravel

Were drill cuttings saved no Where filed

Size hole not known If reduced, where and how much

Casing record not known

Distance to water when not pumping 16 ft. Distance to water is 19 ft.

feet after pumping at 2 G. P. M. for 5 hours.

Reference point for above measurements ground level

Type of pump Hand Distance to cylinder 18 ft.

Length of cylinder 2½ in. x 16 in. Length of suction pipe below cylinder

Length stroke 6 in. Speed

Hours used per day 1 Type of power Hand

Rating of motor Rating of pump in G. P. M.

Can following be measured: (1) Static water level yes

(2) Pumping level yes (3) Discharge yes

(4) Influence on other wells none

Temperature of water 46°F. Was water sample collected no

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder J. E. Martens.

Date 1-26-34

City Wilmington, Ill. R.F.D. County Will

Section 25 Twp. No. 33 N. Range 9 E.

Location (in feet from section corner) 1220 ft. N. of S. Sec. line & 400 ft. W. of E. Sec. line

Owner Name not procurable at present Authority Gravel

Contractor not known Address

Date drilled about 30 yrs. ago. Elev. above sea level top of well

Depth not known

Log not known

Were drill cuttings saved no Where filed

Size hole 4 in. If reduced, where and how much

Casing record not known

Distance to water when not pumping not known Distance to water is

feet after pumping at G. P. M. for hours.

Reference point for above measurements

Type of pump Hand Distance to cylinder not known

Length of cylinder not known Length of suction pipe below cylinder not known

Length stroke 6 in. Speed

Hours used per day ½ Type of power Hand

Rating of motor Rating of pump in G. P. M.

Can following be measured: (1) Static water level no

(2) Pumping level no (3) Discharge yes

(4) Influence on other wells no

Temperature of water 52° F. Was water sample collected no

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder J. E. Martins

2807-19399 12 Date February 1934

City Wilmington, Ill. R.F.D. County Will

Section 28 Twp. No. 33 N. Range 9 E.

Location (in feet from section corner) 1390 ft. N. of S. Sec. line & 30 ft. W. of E. Sec. line

Owner Harvey Swaval Authority H. Swaval

Contractor not known Address

Date drilled not known Elev. above sea level top of well

Depth 20 ft.

Log Sand & Gravel

Were drill cuttings saved no Where filed

Size hole 3 ft. diam. If reduced, where and how much

Casing record Stone

Distance to water when not pumping 18 ft. Distance to water is 20 ft.

feet after pumping at 5 G. P. M. for 2½ hours.

Reference point for above measurements ground level

Type of pump Hand Distance to cylinder 17 ft.

Length of cylinder 2½ in. x 12 in. Length of suction pipe below cylinder 2 ft.

Length stroke 6 in. Speed

Hours used per day ½ Type of power Hand

Rating of motor Rating of pump in G. P. M. 5

Can following be measured: (1) Static water level yes

(2) Pumping level yes (3) Discharge yes

(4) Influence on other wells none

Temperature of water 46° F. Was water sample collected no

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder J. E. Hopkins

Date 11-26-34

City Wilmington, Ill. R.F.D. County Will

Section 25 Twp. No. 33 N. Range 9 E.

Location (in feet from section corner) 1400 ft. N. of S. Sec. line & 250 ft. W. of E. Sec. line

Owner E. J. Strong Authority E. J. Strong

Contractor not known Address

Date drilled 1854 Elev. above sea level top of well

Depth 20 ft.

Log Into Sand

Were drill cuttings saved Where filed

Size hole 3 ft. diam. If reduced, where and how much

Casing record Stone

Distance to water when not pumping 17 ft. Distance to water is 20 ft.

feet after pumping at 5 G. P. M. for 2 hours.

Reference point for above measurements ground level

Type of pump Hand Distance to cylinder 3 ft.

Length of cylinder 2½ in. x 16 in. Length of suction pipe below cylinder 15 ft.

Length stroke 6 in Speed

Hours used per day ½ Type of power Hand

Rating of motor Rating of pump in G. P. M.

Can following be measured: (1) Static water level no

(2) Pumping level no (3) Discharge yes

(4) Influence on other wells none

Temperature of water 46°F. Was water sample collected no

Date Effect of water on meters, hot water coils, etc.

Date of Analysis Analysis No.

Recorder J. E. Hawkins

Date 1-28-54

2807-19399 12

DATE: 11-20-89

TIME: 10:45 AM

Photograph by:
TIM Murphy

Location:
Celotex, Will Co.

Comments: Picture taken toward
#1 WEST
G101

DATE: 11-20-89

TIME: 10:45 AM

Photograph by:
TIM Murphy

Location: Celotex

Comments: Picture taken toward
#2 EAST
G101

DATE: 11-20-89

TIME: 11:45AM

Photograph by:
John MorgAN

Location:
Celotex, Will Co.

Comments: Picture taken toward #3 EAST
G103

DATE: 11-20-89

TIME: 11:45 AM

Photograph by:
John MorgAN

Location: Celotex,

Comments: Picture taken toward #4 EAST
G103

DATE: 11-20-89

TIME: 2:50 PM

Photograph by:

Greg Dunn

Location:

Celotex, Will Co.

Comments: Picture taken toward NORTH

#5

S102

DATE: 11-20-89

TIME: 3:05 PM

Photograph by:

John Morgan

Location: Celotex

Comments: Picture taken toward SW

#6

X101

DATE: 11-20-89

TIME: 2:15 PM

Photograph by:
Tim Murphy

Location:
Celotex,
Will Co.

Comments: Picture taken toward SW
#7
X102D

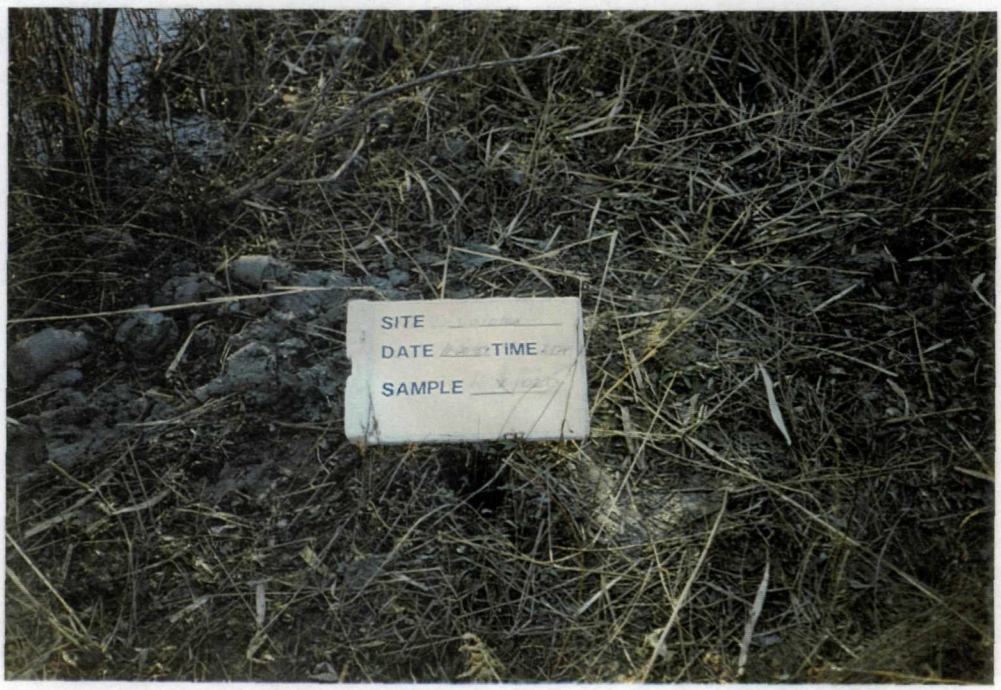
DATE: 11-20-89

TIME: 2:15 PM

Photograph by:
TIM MURPHY

Location: Celotex
Will Co.

Comments: Picture taken toward SW
#8
X102D



DATE: 11-20-89

TIME: 3:35 PM

Photograph by:
KAREN Petefish

Location:
Celotex, Ill.

Comments: Picture taken toward SE
#9
X103

DATE: 11-20-89

TIME: 5:15 PM

Photograph by:
JOHN MORGAN

Location:
Celotex

Comments: Picture taken toward EAST
#10
X108
BACKGROUND RESIDENTIAL SOIL ADJACENT TO Celotex

DATE: 11-20-89

TIME: 3:30 PM

Photograph by:

Tim Murphy

Location:

Celotex,
Will Co.

Comments: Picture taken toward

#12 NE

X104-D

DATE: 11-20-89

TIME: 3:30 PM

Photograph by:

Tim Murphy

Location: Celotex

Will Co.

Comments: Picture taken toward

#11 EAST

X104-D

DATE: 11-20-89

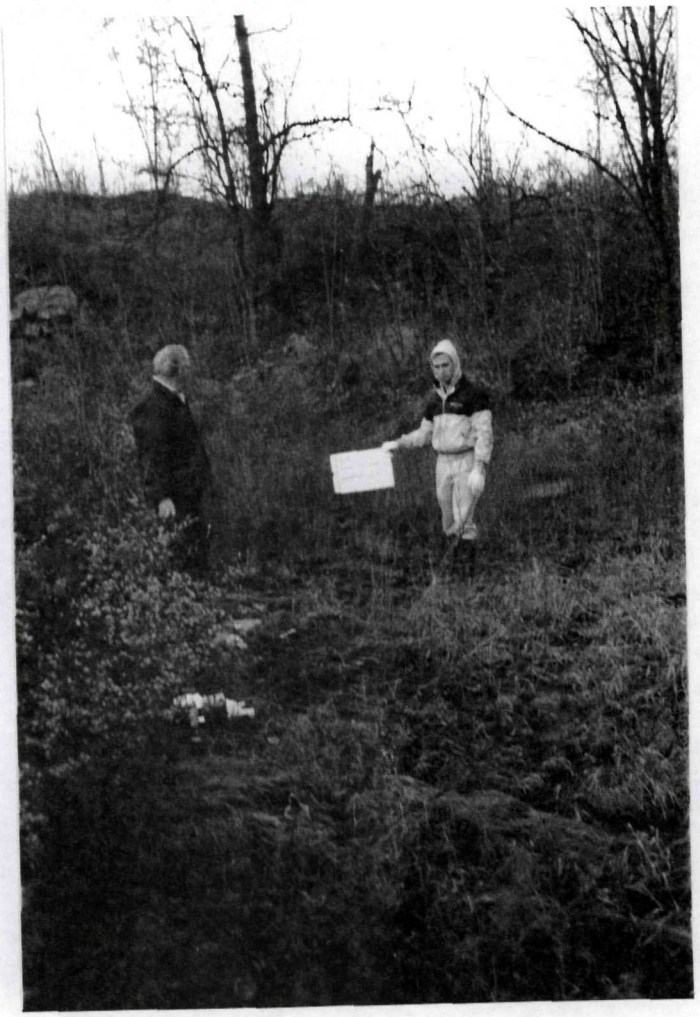
TIME: 4:14 PM

Photograph by: KAREN Petefish

Location: Celotex, Will Co.

Comments: Picture taken toward NORTH #13

X105



DATE: 11-20-89

TIME: 4:15 PM

Photograph by: KAREN Petefish

Location: Celotex

Comments: Picture taken toward NORTH #14

X105

DATE: 11-20-89

TIME: 4:14

Photograph by:

TIM MURPHY

Location:

Celotex,
Will Co.

Comments: Picture taken toward #15 WEST
X106
AREA Resembled SMALL
TAR Pit.

DATE: 11-20-89

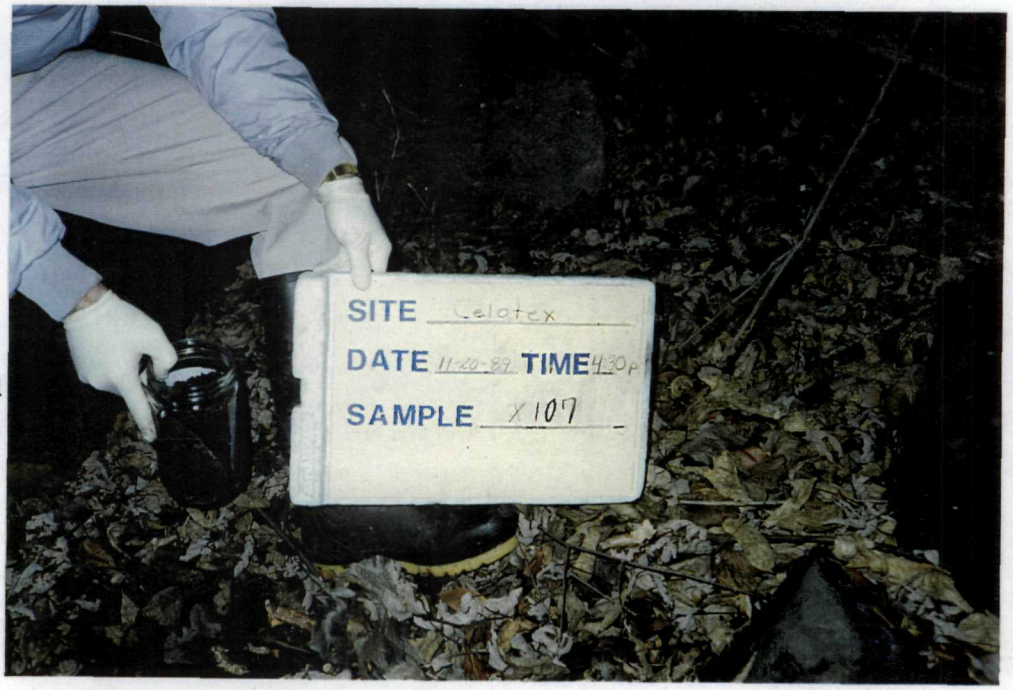
TIME: 4:30 PM

Photograph by:

KAREN Petefish

Location: Celotex

Comments: Picture taken toward #16 SOUTH
X107
soil in vicinty
of drums



DATE: 11-20-89

TIME: 12:03 PM

Photograph by: KAREN Petefish

Location: Celotex, Will

Comments: Picture taken toward SOUTH (#17)

S102

DATE: 11-20-89

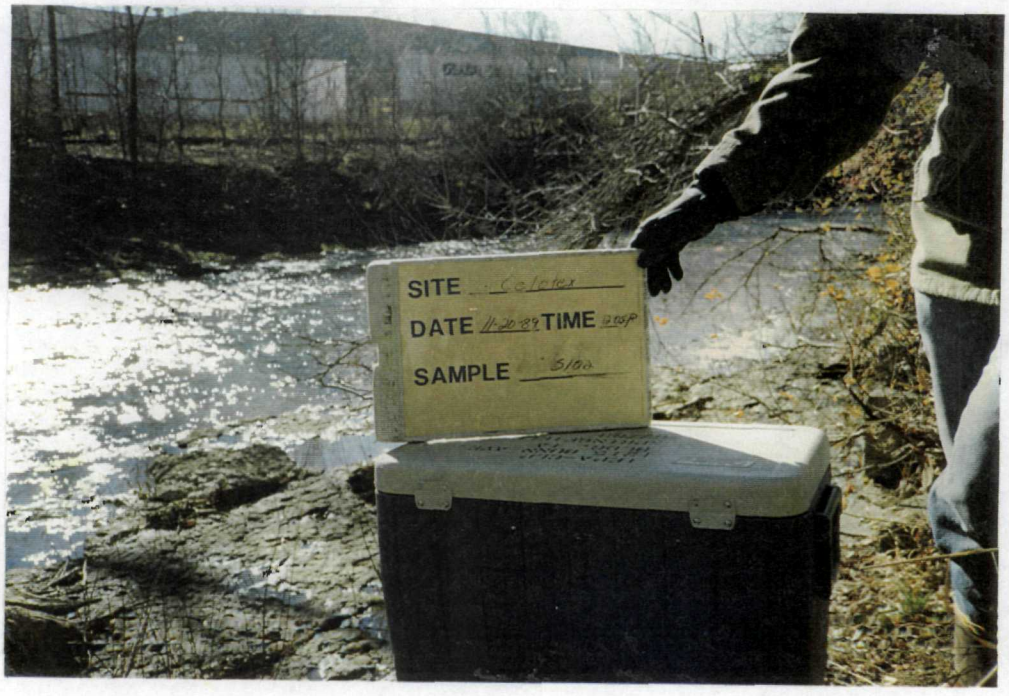
TIME: 12:05 PM

Photograph by: KAREN Petefish

Location: Celotex, Will Co.

Comments: Picture taken toward SOUTH (#18)

S102



DATE: 11-20-89

TIME: 10:53 AM

Photograph by: KAREN Petefish

Location: Celotex, Will Co.

Comments: Picture taken toward SOUTH (#19)

S101

ATE: 11-20-89

IME: 11:05 AM

hotograph by: KAREN Petefish

ocation: Celotex

mments: Picture taken toward SOUTH (#20)

S101

DATE: 11-20-89

TIME: 3:45 PM

Photograph by:
TIM MURPHY

Location: Celotex, Will Co

Comments: Picture taken toward
#21 SE

Drum observed on Celotex Property

DATE: 11-20-89

TIME: 3:55 PM

Photograph by:
KAREN Petefish

Location: Celotex

Comments: Picture taken toward
#22 SW

Drums observed on Celotex Property